Product: **55 - Food - Animal Products and Poultry Products, Beef Bos sp**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Beef allergen; Beef allergy; Beef immunotherapy
Google: beef extract; beef extract adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. According to dictionary.com beef is the correct common name for a processed cow. The Bos genus is found within the Bovinae subfamily and Bovidae family.

Parent Product

55 - Food - Animal Products and Poultry Products, Beef Bos sp

Published Data

There are three papers that use beef extract in skin prick tests to diagnose beef allergy. One clinical study (PubMed ID: 12487201) of 34 patients suggests that both commercial and fresh beef extracts are effective in diagnosing beef allergy. Another clinical study (PubMed ID: 12622743) of 12 patients claims that skin prick tests do not accurately diagnose beef allergy. These two studies used commercial beef extracts from two different companies, which might explain the difference in the study outcomes. Fiocchi (PubMed ID: 12487201) noted that the processing method could influence the extract composition and presentation. One case report (PubMed ID: 14982516) showed matching results of positive skin prick test and positive beef-specific IgE.

Documents	PubMed Number	Author	Year Published
55_ Ann Allergy Asthma Immunol 89(6 suppl 1)-26.pdf	12487201	Fiocchi, A.	2002
55_ Allergy 58-127.pdf	12622743	Orhan, F.	2003
55_ Biosci Biotechnol Biochem 64-1887.pdf	11055392	Han, G.D.	2000
55_ allergy 59-327.pdf	14982516	Fuentes, M.M.	2004
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **56 - Food - Animal Products and Poultry Products, Chicken Meat Gallus sp.**

Recommended Scientific Name Gallus gallus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: chicken meat and allergy; chicken meat and allergen
Google: chicken meat allergen extract; chicken meat allergen extract adverse

Nomenclature

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

Parent Product

56 - Food - Animal Products and Poultry Products, Chicken Meat Gallus sp.

Published Data

Vila (PMID: 10782519) presented a positive SPT case report using chicken meat extract. Monosensitization was demonstrated by IgE and confirmed by means of challenge. Liccardi (PMID: 9338556) presented a positive SPT and PPT case report to chicken meat. Quirce (PMID: 11488669) presented 8 out of 8 positive SPT to chicken meat. None of these papers listed the genus and species of the extract reported. PMID 16933414, identified a positive SPT to Gallus gallus domesticus extract in an allergic individual.

Documents	PubMed Number	Author	Year Published
56_ Ann Allergy Asthma Immunol. 80-195.pdf	10782519	Vila, L.	1998
56_ J Allergy Clin Immunol 100-577.pdf	9338556	Liccardi, G.	1997
56_ Allergy 56-754.pdf	11488669	Quirce, S.	2001
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
56_ wmj105-50.pdf	16933414		2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **57 - Food - Animal Products and Poultry Products, Duck Meat Anas sp.**

Recommended Scientific Name Anas platyrhynchos

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: duck meat and allergy; duck meat and allergen
Google: duck meat allergen extract; Anas meat allergen extract; duck meat allegen extract adverse

Nomenclature

According to ITIS, there are over 40 species within the Anas genus. Anas platyrhynchos is a commonly eaten species with the common name of mallard. Anas oustaleti is listed as a synonym. There are three subspecies of A. platyrhynchos listed: conboschas, diazi, and platyrhynchos. The Anas genus is found in the Anatinae subfamily and Anatidae family.

Parent Product

57 - Food - Animal Products and Poultry Products, Duck Meat Anas sp.

Published Data

Not much information on allergy to duck meat. One case report (PMID 9756209) of two patients allergic to chicken and turkey meat also showed possible crossreactivity to duck meat on immunoblot inhibition assay. A case report (PMID 9638487) showed weak SPT positive reaction to duck meat.

Documents	PubMed Number	Author	Year Published
57_ Cli Exp Allergy 28-1026.pdf	9756209	Cahen, Y.D.	1998
61_ Int Arch Occup Environ Health 71-289.pdf	9638487	Iliev, D.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **58 - Food - Animal Products and Poultry Products, Egg, White Gallus sp.**

Recommended Scientific Name Gallus gallus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Egg white allergen extract
Google: Egg white allergen extract; Egg white allergen extract adverse

Nomenclature

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

Parent Product

58 - Food - Animal Products and Poultry Products, Egg, White Gallus sp.

Published Data

Escudero (PMID 12823120) evaluated whether egg white proteins were associated with inhalation allergies in bakery workers. Four bakery workers were tested using commercially supplied egg white extracts. Four out of four workers tested positive by SPT to egg whites and positive to specific IgE against egg whites. Quirce (PMID 3872087) studied two patients who experienced respiratory and food allergenic symptoms upon exposure to egg or avian antigens. Two out of two patients tested positive by SPT to egg white using a commercially available extract.

Documents	PubMed Number	Author	Year Published
58_ Allergy 58-616.pdf	12823120	Escudero, C.	2003
60_ Ann Allergy 54-245.pdf	3872087	de Maat-Bleeker, F.	1985

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **59 - Food - Animal Products and Poultry Products, Egg, Whole Gallus sp.**

Recommended Scientific Name Gallus gallus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Egg allergen extract; Egg whole allergen extract; Egg whole allergy extract; Egg whole allergy
Google: Egg allergen extract; egg allergen extract adverse

Nomenclature

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

Parent Product

59 - Food - Animal Products and Poultry Products, Egg, Whole Gallus sp.

Published Data

Kemp (PMID: 18078424) reports 5 cases of egg allergies. The 5 cases were positive to SPT. Appears as if egg given in SPT testing was food not extract. Paper cannot be used to support efficacy. Perackis (PMID: 15461611) compares use of whole egg verses egg white in fresh foods for use in SPT. The correlation of skin index of egg white against whole eggs was r=0.68 with a p= 0.001. This paper cannot be used to support efficacy.

Documents	PubMed Number	Author	Year Published
60_ J Allergy Clin Immunol 93-932.pdf	8182236	Szepfalusi Z	1994
59_ Pediatr Allergy Immunol 18-696.pdf	18078424	Kemp, A.S.	2007
59_ Allergy 59-1236.pdf	15461611	Perackis, K.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **60 - Food - Animal Products and Poultry Products, Egg, Yolk Gallus sp.**

Recommended Scientific Name Gallus gallus

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: egg yolk and allergy; egg yolk and allergen
Google: egg yolk and allergy; egg yolk and allergy adverse

Nomenclature

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

Parent Product

60 - Food - Animal Products and Poultry Products, Egg, Yolk Gallus sp.

Published Data

Panel I stated that egg white (pg 3245) should suffice as an allergen. However, two case reports suggest that egg yolk has different antigens than egg white. There are cases of individuals allergic to egg yolk, but not to egg white, or vise versa.
Szepfulusi (PMID: 8182236) reports on a study of 13 out of 31 patients who participated in the clinical study tested positive by SPT and RAST to egg yolk extract.
Maat-Bleeker (PMID: 3872087) reports on a patient with a positive SPT to egg yolk extract.

Documents	PubMed Number	Author	Year Published
60_ Ann Allergy 54-245.pdf	3872087	de Maat-Bleeker, F.	1985
60_ J Allergy Clin Immunol 93-932.pdf	8182236	Szepfalusi Z	1994

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **61 - Food - Animal Products and Poultry Products, Lamb Ovis aries**

Recommended Scientific Name Ovis aries

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Lamb meat and allergen; lamb meat and allergy
Google: Lamb allergy; lamb extract allergy; lamb allergy adverse

Nomenclature

According to ITIS, the scientific name, Ovis aries, is correct and current. Common names are listed as mouflon and sheep (feral). According to dictionary.com lamb is a young sheep, the common name is acceptable. Synonyms are listed as: O. aries musimon, O. aries ophion, O. musimon, O. musimon musimon, O. musimon ophion, O. opion, and O. orientalis. The Ovis genus is found in the Caprinae subfamily and Bovidae family.

Parent Product

61 - Food - Animal Products and Poultry Products, Lamb Ovis aries

Published Data

In three case reports (PMID 9638487, 15727599, 16261963), positive SPT to lamb meat was used in diagnosing contact dermatitis and food allergy. Species was not identified in these publications.

Documents	PubMed Number	Author	Year Published
61_ Int Arch Occup Environ Health 71-289.pdf	9638487	Iliev, D.	1998
61_ Allergy 60-545.pdf	15727599	Welt, K.	2005
61_ J Invest Allergol Clin Immunol 15-228.pdf	16261963	Fuentes Aparicio, V.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **62 - Food - Animal Products and Poultry Products, Liver, Beef Bos spp**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: beef liver and allergy; beef liver and allergen
Google: Beef liver allergy; beef liver allergen; beef liver adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. According to dictionary.com beef is the correct common name for a processed cow. The common name is correct and current. The scientific name needs to be updated. The Bos genus is found within the Bovinae subfamily and Bovidae family.

Parent Product

62 - Food - Animal Products and Poultry Products, Liver, Beef Bos spp

Published Data

One case report (PMID: 10439524) was found associated with meat allergies. Patient had positive SPT for lamb liver and ox liver.

Documents	PubMed Number	Author	Year Published
62_ Australas J Dermatol 40-138.pdf	10439524	Kumar, A.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **63 - Food - Animal Products and Poultry Products, Pork Sus scrofa (or Sus sp)**

Recommended Scientific Name Sus scrofa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pork meat and allergy; pork meat and allergen
Google: Pork meat allergy; pork meat allergen; pork meat allergy adverse

Nomenclature

According to ITIS, the scientific name, Sus scrofa is correct and current. The common names are listed as pig and wild boar. According to dictionary.com pork is the flesh of a pig or hog used for food. This common name is acceptable. The Sus genus is found in the Suinae subfamily and Suidae family.

Parent Product

63 - Food - Animal Products and Poultry Products, Pork Sus scrofa (or Sus sp)

Published Data

Four case reports of pork meat related allergy were found (PMID 12269950, 16261963, 9638487, 15230829). Two reports of pork extract for skin prick tests followed by oral and/or bronchial challenge (PMID 16261963, 15230829).

Documents	PubMed Number	Author	Year Published
63_ allergy 57-960.pdf	12269950	Atanasković-Marković,	2002
61_ J Invest Allergol Clin Immunol 15-228.pdf	16261963	Fuentes Aparicio, V.	2005
61_ Int Arch Occup Environ Health 71-289.pdf	9638487	Iliev, D.	1998
63_ allergy 59-893.pdf	15230829	Labrecque, M.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **64 - Food - Animal Products and Poultry Products, Rabbit Oryctolagus cuniculus**

Recommended Common Name European rabbit

Recommended Scientific Name Oryctolagus cuniculus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: rabbit meat and allergy; rabbit meat and allergen
Google: Rabbit meat allergy; rabbit meat allergen; rabbit meat adverse

Nomenclature

According to ITIS, the scientific name, Oryctolagus cuniculus, is correct and current. The common name is European rabbit. There are six subspecies. O. cuniculus algirus, O. cuniculus brachyotus, O. cuniculus cnossius, O. cuniculus cuniculus, O. cuniculus habetensis, and O. cuniculus huxleyi. The Oryctolagus genus is found in the Leporidae family.

Parent Product

64 - Food - Animal Products and Poultry Products, Rabbit Oryctolagus cuniculus

Published Data

Two case reports (PMID 16261963, 12622753) used rabbit meat extract for diagnosis.

Documents	PubMed Number	Author	Year Published
61_ J Invest Allergol Clin Immunol 15-228.pdf	16261963	Fuentes Aparicio, V.	2005
64_ allergy 58-161.pdf	12622753		2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **65 - Food - Animal Products and Poultry Products, Turkey Meat Meleagris gallopavo**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: turkey meat and allergy; turkey meat and allergen
Google: Turkey meat allergy; turkey meat allergen; turkey meat allergy adverse; turkey meat adverse

Nomenclature

According to ITIS, the scientific name, Meleagris gallopavo, is correct and current. Common name is listed as wild turkey. There are six subspecies listed: M. gallopavo gallopavo, M. gallopavo intermedia, M. gallopavo merriami, M. gallopavo mxicana, M. gallopavo Osceola, and M. gallopavo silvestris. The Meleagris genus is found in the Meleagridinae subfamily and Phasianidae family.

Parent Product

65 - Food - Animal Products and Poultry Products, Turkey Meat Meleagris gallopavo

Published Data

Allergy to turkey meat is rare. Three publications describe a total of 6 cases of allergy to turkey (PMID 9756209, 10400862, 9788695). In all the cases, there are crossreactivity of allergens in avian meat and positive skin prick test with turkey meat.

Documents	PubMed Number	Author	Year Published
57_ Cli Exp Allergy 28-1026.pdf	9756209	Cahen, Y.D.	1998
65_ J Allergy Clin Immunol 104-202.pdf	10400862	Kelso, J.M.	1999
65_ allergy 53-903.pdf	9788695		0

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **66 - Food - Animal Products and Poultry Products, Veal**

Recommended Common Name Veal

Recommended Scientific Name Bos taurus

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: veal meat and allergy; veal meat and allergen; veal allergy
Google: veal allergy; veal meat allergy; veal meat allergen; veal meat adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. According to dictionary.com veal is calf meat, so should be designated Bos taurus. The Bos genus is found within the Bovinae subfamily and Bovidae family.

Parent Product

66 - Food - Animal Products and Poultry Products, Veal

Published Data

Most publications did not differentiate between beef and veal. One report (PMID 12169186) used extracts of veal and other meats to diagnose allergy in 2 individuals. Patients were positive for meats and had specific IgE of 23.1 and 1.35 for veal.

Documents	PubMed Number	Author	Year Published
66_ Allergy 57 - 858.pdf	12169186	Benito, R.P.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **67 - Food - Animal Products and Poultry Products, Venison Odocoileus sp.**

Recommended Scientific Name Odocoileus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: venison allergy; Deer allergy; Odocoileus
Google: venison allergy; deer allergy; odocoileus allergy; venison allergy adverse; deer allergy adverse; odocoileus allergy adverse

Nomenclature

Venison is the modern term for the flesh of a deer used as food. There are two species of Odocoileus in ITIS. Odocoileus hemionus (common name, white-tailed deer). Odocoileus hemionus (common name, mule deer). The flesh of several other species could also be considered venison including: Cervus elaphus (American elk or wapiti in the US, red deer in Europe and Asia) or Alces alces (Eurasian elk or Moose)..
http://www.vertebrates.si.edu/msw/mswcfapp/msw/taxon_browser.cfm?msw_id=12751

Parent Product

67 - Food - Animal Products and Poultry Products, Venison Odocoileus sp.

Published Data

One report (PMID: 11869215) of venison contact dermatitis was found. Diagnosis was made using fresh meat, blood, and organs. This article does not support efficacy of this product.

Documents	PubMed Number	Author	Year Published
67_ Aust J Derma 43-72.pdf	11869215	Reiche, L.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **68 - Food - Dairy Products, Casein, Cow's Milk**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: milk allergy
Google: milk allergy; milk allergy adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. Separation of whey and casein can occur by centrifugation (http://classes.aces.uiuc.edu/AnSci308/Milkcompsynth/milkcomp_protein.html) or by acid precipitation. Casein is a mixtures of phosphoproteins and will precipitate out in the presence of acid (http://drinc.ucdavis.edu/dairychem2_new.htm).

Parent Product

68 - Food - Dairy Products, Casein, Cow's Milk

Published Data

A paper (PMID: 14616871) reported that 18 children that were cow's milk allergic (12 of which were DBPCFC positive) were tested with a casein extract, 15 had a positive reaction to casein.
PMID 12897287: Of 24 cow's milk allergic children (11 DBPCFC positive) 14 had a positive SPT to casein. Of those 14 only 4 were DBPCFC positive to cow's milk.
(Casein is a product manufactured from cow's milk prior to extraction.)

Documents	PubMed Number	Author	Year Published
70_ Pediatrics 112 - 359.pdf	12897287	Fiocchi, A.	2003
68_ Clin Exp Allergy 33 - 1576.pdf	14616871	Fiocchi, A.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **69 - Food - Dairy Products, Lactalbumin alpha, Cow's Milk**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: milk allergy
Google: milk allergy; milk allergy adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. Alpha-lactalbumin is a whey protein and appears to be a minor cow's milk allergen.

Parent Product

69 - Food - Dairy Products, Lactalbumin alpha, Cow's Milk

Published Data

Two papers (PMID 12897287, 14616871) were identified where study subjects had cow's milk allergy. Of 42 milk-allergic people tested with alpha-lactalbumin extract 30 had a positive response.
(Alpha-lactalbumin is a product manufactured from cow's milk prior to extraction.)

Documents	PubMed Number	Author	Year Published
70_ Pediatrics 112 - 359.pdf	12897287	Fiocchi, A.	2003
68_ Clin Exp Allergy 33 - 1576.pdf	14616871	Fiocchi, A.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **70 - Food - Dairy Products, Milk, Whole Cow's**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: milk allergy
Google: milk allergy; milk allergy adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus.

Parent Product

70 - Food - Dairy Products, Milk, Whole Cow's

Published Data

The prevalence of cow's milk allergy in infants and children is between 2.0 and 2.5%. Children typically lose their sensitivity within the first 3-5 years of life. Proteins in cow's milk are divided into 2 groups: the caseins, which constitute 80% of the total protein, and whey proteins, which constitute 20% of the total protein.

Looking at milk extract versus milk used for skin prick tests, milk faired slightly better than milk extracts. Commercial milk extract had 10 true positives, 49 true negatives, 27 false positives, and 19 false negative results; whereas, crude milk extract had 15 true positives, 59 true negatives, 22 false positives, and 19 false negative results. True positives and false positives were determined by DBPCFC. (PMIDs 12402374, 12754457, 12897287)

Documents	PubMed Number	Author	Year Published
295_ Yonsei Med J 43 - 2002.pdf	12402374	Kim, T.E.	2002
70_ Minerva Pediatr 55 - 129.pdf	12754457	Cantani, A.	2003
70_ Pediatrics 112 - 359.pdf	12897287	Fiocchi, A.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **71 - Food - Dairy Products, Whey, Cow's Milk**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Whey allergy
ISI: whey and allergy
Google: whey allergy; whey allergy adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus.

Parent Product

71 - Food - Dairy Products, Whey, Cow's Milk

Published Data

There are no known published data using whey extracts to diagnose allergy.

(Whey is a product manufactured from cow's milk prior to extraction.)

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **72 - Food - Fish and Shellfish, Bass, Black Centropristis striata**

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Bass and allergy; Bass and allergen; centropristis and allergy; centropristis and allergen
Google: bass allergy adverse: centropristis allergy adverse

Nomenclature

According to Fishbase, the scientific name, Centropristis striata, is correct and current. The common name is listed as black bass. The Centropristis genus is found in the Serranidae family.

Parent Product

72 - Food - Fish and Shellfish, Bass, Black Centropristis striata

Published Data

35 patients were skin prick tested with 16 different commercial extracts including centropristis striatus: 15/35 had positive skin prick test; 14/39 had positive history (PMID: 8705636). Another paper used commercial bass extract (Dicentrarchus labrax) and showed in RAST-inhibition experiments the presence of cross-reacting antigen(s) in cod and bass. This paper shows cross-reactivity between 3 genera in the order perciformes (PMID: 2262645). One further publication had positive skin tests to bass extract, but did not define the species (PMID 11825013).

Documents	PubMed Number	Author	Year Published
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001
72_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **73 - Food - Fish and Shellfish, Bass, Black Huro floridana**

Recommended Scientific Name Huro, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Bass and allergy; Bass and allergen; huro floridana and allergy; huro floridana and allergen
Google: huro floridana; huro floridana allergy; huro floridana allergen; huro floridana adverse

Nomenclature

Fishbase and ITIS do not have Huro floridana listed. Fishbase lists Huro nigricans and Huro salmoides as synonyms of Micropterus salmoides. A Google search finds several references to Huro floridana.

Parent Product

73 - Food - Fish and Shellfish, Bass, Black Huro floridana

Published Data

In one publication 9 of 11 patients had positive skin prick tests to bass extract, but the species was undefined (PMID 1545094). Another paper used commercial bass extract (Dicentrarchus labrax) and showed in RAST-inhibition experiments the presence of cross-reacting antigen(s) in cod and bass. This paper shows cross-reactivity between 3 genera in the order perciformes (PMID: 2262645). One further publication had positive skin tests to bass extract, but did not define the species (PMID 11825013).

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
72_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **74 - Food - Fish and Shellfish, Bluefish Pomatomus saltatrix**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Blue fish and allergy; Blue fish and allergen; pomatomus and allergy; pomatomus and allergen; pomatomus saltatrix and allergy; pomatomus slatatrix and allergen
Google: blue fish allergy adverse; pomatomus allergy adverse; pomatomus allergen adverse

Nomenclature

According to Fishbase, the scientific name, Pomatomus saltatrix, and the common name, Bluefish, are correct and current. The Pomatomus genus is in the Pomatomidae family.

Parent Product

74 - Food - Fish and Shellfish, Bluefish Pomatomus saltatrix

Published Data

Although this is in the same order as several other fish that have been shown to cross-react (Perciformes), there are no known published data on this species.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **75 - Food - Fish and Shellfish, Carp Cyprinus carpio**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Carp and allergy and skin; Carp and allergen and skin; Cyprinus and allergy and skin; Cyprinus and allergen and skin
Google: carp allergy adverse; carp allergen adverse; Cyprinus allergen adverse; Cyprinus allergy adverse

Nomenclature

According to Fishbase, the correct scientific name for Cyprinus carpio is Cyprinus carpio carpio. The common name is listed as common carp. Cyprinus carpio and carp are acceptable. The Cyprinus genus is found in the Cyprinidae family.

Parent Product

75 - Food - Fish and Shellfish, Carp Cyprinus carpio

Published Data

One paper was found on using carp extract for skin prick test (PMID 2262645). Five of the twenty children who were cod-positive were SPT positive to carp extract. None of the cod-negative children was SPT positive to carp extract. The SPT were repeated a year later and results stayed the same. No food challenge was done and clinical history was unclear. No other fish are being reviewed that are in the same order (Cypriniformes).

Documents	PubMed Number	Author	Year Published
75_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **76 - Food - Fish and Shellfish, Catfish, Bullhead Ameiurus sp.**

Recommended Scientific Name Ameiurus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: catfish and allergy; catfish and allergen
Ameiurus natalis and allergy; Ameiurus natalis and allergen; ameiurus and allergy; ameiurus and allergen
Google: catfish allergy adverse; catfish allergen adverse; Ameiurus allergen adverse; Ameiurus allergy adverse

Nomenclature

According to Fishbase, there are 8 valid species within the Ameiurus genus. The Ameiurus genus is found in the Ictaluridae family.

Parent Product

76 - Food - Fish and Shellfish, Catfish, Bullhead Ameiurus sp.

Published Data

There are plenty of clinical reports showing positive SPT with catfish extract and matching DBPCFC results. But the Genus/species names of the catfish extracts were not mentioned.
PMID: 9470014: 8 people had positive skin prick test results to catfish, 4 were confirmed by oral challenge.
PMID: 9291417: 9 out of 10 people had positive SPT to catfish extract, 4 were confirmed positive by oral challenge, and 5 had convincing histories.
PMID: 8705636: Channel catfish (Ictalurus punctatus): 14/35 had positive skin prick test; 24/39 had positive history; and 11/21 positive RAST.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
76_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **77 - Food - Fish and Shellfish, Catfish, Channel or Blue Ictalurus catus**

Recommended Scientific Name Ictalurus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ictalurus catus, common name: Channel or white catfish; catfish and allergy; catfish and allergen; Ictalurus and allergy; Ictalurus and allergen
Google: Ictalurus allergy adverse; Ictalurus allergen adverse; same searches for catfish

Nomenclature

According to Fishbase, the correct scientific name for Ictalurus catus is Ameiurus catus. The common name is listed as 'White catfish'. This is in the same order as the Ictalurus catfish: siluriformes.
According to ITIS, Ictalurus punctatus is the current name for the channel catfish and Ictalurus furcatus is the current name for the blue catfish. The scientific and common names need to be updated.

Parent Product

77 - Food - Fish and Shellfish, Catfish, Channel or Blue Ictalurus catus

Published Data

PMID: 9470014: 8 people had positive skin prick test results to catfish, 4 were confirmed by oral challenge.
PMID: 9291417: 9 out of 10 people had positive SPT to catfish extract, 4 were confirmed positive by oral challenge, and 5 had convincing histories.
PMID: 8705636: Channel catfish (Ictalurus punctatus): 14/35 had positive skin prick test; 24/39 had positive history; and 11/21 positive RAST.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **78 - Food - Fish and Shellfish, Clam Mya**

Recommended Common Name Clam, softshell

Recommended Scientific Name Mya, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: clam and allergy; clam and allergen; mya arenaria and allergy; mya arenaria and allergen; mya and allergy; mya and allergen
Google: clam allergen adverse; clam allergy adverse; mya allergy adverse; mya allergen adverse

Nomenclature

According to ITIS, there is a family of clams called myidae in the order myoida. Within that family there are 5 different genera of clams, one of which is Mya. In the Mya genus there are nine species of softshell clams: Mya arenaria, M. baxteri, M. elegans, M. japonica, M. priapus, M. profundior, M. pseudoarenaria, M. truncate, and M. uzenensis.

Parent Product

78 - Food - Fish and Shellfish, Clam Mya

Published Data

PMID: 8059680: Paper referenced clam extracts for SPT from the family cardida (Cardida is not in ITIS). The paper includes many different types of seafood and non-seafood extracts. The data were not separated for individual seafood reactions.
PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.
PMID: 15510583 Used Mercenaria mercenaria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam. Mercenaria mercenaria are hardshell clams in the order veneroida.
PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

Documents	PubMed Number	Author	Year Published
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **79 - Food - Fish and Shellfish, Clam Mya Mercenaria mercenaria**

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: venus mercenaria and allergy; venus mercenaria and allergen; mercenaria mercenaria and allergy; mercenaria mercenaria and allergen; mercenaria and allergy; mercenaria and allergen
Google: mercenaria allergy adverse; mercenaria allergen adverse

Nomenclature

According to ITIS, the scientific name, Mercenaria mercenaria, is correct and current. The common name is listed as 'northern quahog'. According to dictionary.com quahog is 'an edible clam'. The common name is acceptable. Venus mercenaria is listed as a synonym. One subspecies is listed: Mercenaria mercenaria texana. The Mercenaria genus is found in the Veneridae family. Mercenaria mercenaria or venus mercenaria are not in the same order as the Mya family of softshell clams.

Parent Product

79 - Food - Fish and Shellfish, Clam Mya Mercenaria mercenaria

Published Data

PMID: 15510583 Used Mercenaria mercenaria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam.
PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.
PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

Documents	PubMed Number	Author	Year Published
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **80 - Food - Fish and Shellfish, Clam Mya Protheca staminez**

Recommended Common Name Clam, Pacific Littleneck

Recommended Scientific Name Protothaca staminea

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Protheca staminez does not exist in PubMed, ITAS, or Google.
Correct spelling is: protothaca staminea.
PubMed: protothaca staminea; protothaca staminea allergy, protothaca staminea allergen; protothaca staminea allergy adverse, protothaca staminea allergen adverse
Google: protothaca staminea.

Nomenclature

According to ITIS, the correct spelling of Protheca staminez is Protothaca staminea. The common name is listed as 'Pacific littleneck'. The website (http://peet.amnh.org/Western_Atlantic_Bivalves/families/list.html) lists two families of bivalves (clams). The families are Veneridae (venus) and Myidae (mya). Protothaca staminea is in the Veneridae family, not the myidae.

Parent Product

80 - Food - Fish and Shellfish, Clam Mya Protheca staminez

Published Data

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.
PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

Documents	PubMed Number	Author	Year Published
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **81 - Food - Fish and Shellfish, Clam Venus**

Recommended Common Name Clam, Venus

Recommended Scientific Name Venus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Veneridae and allergen; Veneridae and allergy; venus and allergy; venus and allergen
Google: Veneridae allergen; Veneridae allergy; Veneridae allergy adverse; Veneridae allergen adverse

Nomenclature

According to ITIS, there are four species within the Venus genus. The Venus genus is found in the family Veneridae.

Parent Product

81 - Food - Fish and Shellfish, Clam Venus

Published Data

PMID: 15510583 Used Mercenaria mercenaria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam.
PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.
PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

Documents	PubMed Number	Author	Year Published
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **82 - Food - Fish and Shellfish, Clam Venus Mercearia spp**

Recommended Scientific Name Mercearia, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: venus mercenaria and allergy; venus mercenaria and allergen; mercenaria mercenaria and allergy; mercenaria mercenaria and allergen; mercenaria and allergy; mercenaria and allergen
Google: mercenaria allergy adverse; mercenaria allergen adverse

Nomenclature

According to ITIS, both Venus and Mercenaria are considered valid genera. Both genera are found in the Veneridae family (venus).

Parent Product

82 - Food - Fish and Shellfish, Clam Venus Mercearia spp

Published Data

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.
PMID: 15510583: Used Mercerneria mercerneria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam.
PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

Documents	PubMed Number	Author	Year Published
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **83 - Food - Fish and Shellfish, Clam Venus Protheca staminez**

Recommended Common Name Clam, Pacific Littleneck

Recommended Scientific Name Protothaca staminea

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

Protheca staminez does not exist in PubMed, ITAS, or Google.
Correct spelling is: protothaca staminea.
PubMed: protothaca staminea; protothaca staminea allergy, protothaca staminea allergen, protothaca staminea allergy adverse, protothaca staminea allergen adverse
Google: protothaca staminea

Nomenclature

According to ITIS, the correct spelling of Protheca staminez is Protothaca staminea. The common name is listed as 'Pacific littleneck'. According to dictionary.com littleneck is a young or small clam. Clam is an acceptable common name. The website (http://peet.amnh.org/Western_Atlantic_Bivalves/families/list.html) lists two families of bivalves (clams). The families are Veneridae (venus) and Myidae (mya). Protothaca staminea is in the Veneridae family.

Parent Product

83 - Food - Fish and Shellfish, Clam Venus Protheca staminez

Published Data

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.
PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

Documents	PubMed Number	Author	Year Published
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **84 - Food - Fish and Shellfish, Codfish Gadus callarias**

Recommended Scientific Name Gadus morhua

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: codfish; codfish gadus callarias; gadus callarias allergen; gadus callarias allergy
Google: gadus callarias allergen; gadus callarias allergen adverse; gadus callarias allergy; gadus callarias allergy adverse

Nomenclature

According to Fishbase, the correct scientific name for Gadus callarias is Gadus morhua. The common name is listed as 'Atlantic cod'. According to dictionary.com cod is also called codfish. The common name is acceptable. The Gadus genus is found in the Gadidae family.

Parent Product

84 - Food - Fish and Shellfish, Codfish Gadus callarias

Published Data

Three papers used Gadus morhua (PMIDs: 11825013, 2262645, 16337465).
PMID: 11825013 - positive SPTs with extract, but all oral food challenges were negative (no history)
PMID: 2262645 - 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross-rectivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes.
PubMed ID: 16337465 - 10 people with allergic history to cod. Nine of 10 had positive reaction to Gad c 1 (recombinant allergen)
PMID: 1545094 - 9 positve SPTs and 3 of 5 positive food challenges (homemade, no genus)
PMID: 9470014 - 11 positive SPTs, 9 challenges 3 positives (Greer)
PubMed ID: 1283656 - 10 with allergic history, 9 positive SPT, 7 positive DBPCFC (no genus species)
PubMed ID: 1558332 - 1 lobster allergic person also positive SPT to cod
PubMed ID: 9291417 - 5 patients with a history of catfish allergy were skin prick tested with cod extract - 1 in 5 had a positve reaction.
PubMed ID: 8705636 - 39 pateints with a history of allergy to fish were tested with a panel of fish extracts 12/39 positive history to cod 16/35 positive SPT to gadus callarivus (Callarivus spelling could not be found, believe it was misspelled.)

Documents	PubMed Number	Author	Year Published
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
84_ Ann Allergy Asthma Immunol 78-187.pdf	1283656	Hansen, T.K.	1992
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **85 - Food - Fish and Shellfish, Crab Callinectes sapidus**

Recommended Common Name Crab, Blue

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: crab and allergy; crab and allergen; Callinectes sapidus and allergen; Callinectes sapidus and allergy and skin prick; blue crab and allergy blue crab and allergen and skin prick
Google: crab allergy; crab allergy adverse; crab allergen adverse; Callinectes sapidus; Callinectes sapidus allergen; Callinectes sapidus allergen adverse

Nomenclature

According to ITIS, the scientific name, Callinectes sapidus, is correct and current. Common names are listed as blue crab or bluepoint. The common name, crab, is acceptable. The Callinectes genus is found in the Portunidae family.

Parent Product

85 - Food - Fish and Shellfish, Crab Callinectes sapidus

Published Data

Two papers used Callinectes sapidus extract in shellfish allergic subjects: The first paper looked at the frequency of positive skin prick tests in 70 subjects that reported allergy to shellfish and molluscs. 37 of them reported crab allergy. Approximately 60% (~ 42 people) had a positive skin reaction to crab (C. sapidus) extract (PMID 15510583). The second paper, fourteen patients with convincing histories of shrimp allergy were studied. Ten subjects without shrimp allergy were in the control group. White shrimp (Penaeus setifecus), blue crab (Callinectes sapidus), spiny lobster (Panulirus argus), and crayfish tails (Procambarus clarkii) were extracted. Among the 14 patients, ten had positive SPT to blue crab extract (PMID 4031316).

Most clinical reports used snow crab (Chionoecetes opilio) for their study.
1. One study showed cross-reactivity of snow crab extract and commercial extracts from other crab genera. Two hundred and eighty-three snow crab-processing workers were prick skin tested with extracts of snow crab cooking water and commercial extracts from other crab genera (Alaskan king crab, Dungeness crab, and stone crab). Results of skin prick tests showed 35% sensitivity and 93% specificity with extracts of snow crab cooking water; 56% sensitivity and 90 % specificity with commercial non-snow crab extracts. These results suggest common allergens shared by different genera of crab. (PMID: 16948358)
2. Another clinical report, species not identified, included 46 patients allergic to crab. Ten subjects had elevated IgE against crab, 4 had elevated IgG4 levels, and two from the questionarre negative groups were positive by SPT. (PubMed ID: 11495303)
3. Another study showed probable consistency between imported and local skin prick test of shrimp and crab extracts (paralithodes vs. giant mud crab or swimming crab), but no consistency between imported and local skin prick test of fish extracts. The study also showed no consistency between history of seafood allergy and skin prick test results. This article is not relevant. (PubMed ID: 12403237)
4. PubMed ID: 16620221: Another paper shows high cross-reactivity between crab and shrimp by IgE inhibition studies using serum from 1 patient. The shrimp and crab species are not identified.
5. PubMed ID: 7499677 Five subjects had positive SPT to crab (species not identified). Of the eight sera that had increased IgE leves to clam, shrimp, or both, six subjects had increased IgE levels to crab.

Documents	PubMed Number	Author	Year Published
78_ J Med assoc Thai 85(S2)-S593.pdf	12403237	Visitsunthom, N.	2002
78_ Asian Pacific Journal of Allergy and Immunology 19-7.p	11495303	Sheah-Min, Y.	2001
85_ J allergy Clin Immunol 76-440.pdf	4031316	Waring, N.P.	1985
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **86 - Food - Fish and Shellfish, Crab Xiphosurus sowerbyi**

Recommended Common Name Crab, Horsehoe

Recommended Scientific Name (genus and species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Xiphosura sowerbyi and allergy; Xiphosura sowerbyi and allergen; xiphosura and allergy; horseshoe crab and allergy; horseshoe crab and allergen; xiphosura and allergen; Alaska king crab and allergy; Alaska king crab and allergen
Google: Xiphosura sowerbyi allergy; Xiphosura sowerbyi allergen; Xiphosura sowerbyi allergy adverse; Xiphosura sowerbyi allergen adverse; same search was performed for horseshoe crab.

Nomenclature

According to ITIS, the correct spelling of Xiphosurus sowerbyi is Xiphosura sowerbyi. Xiphosura Limulina is listed as the order and suborder not the genus and species. There is one family, Limulidae, listed within Limulina and three genera: Carcinoscorpius, Limulus, and Tachypleus. Xiphosura are the horseshoe crabs of which there are only 3 scientific names listed in ITIS: Carcinoscorpius rotundicauda, Limulus polyphemus and Tachypleus tridentatus.

Parent Product

86 - Food - Fish and Shellfish, Crab Xiphosurus sowerbyi

Published Data

There are no known published data on allergy to Xiphosura.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **87 - Food - Fish and Shellfish, Crappie Pomoxis annularis**

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: crappie and allergy; crappie and allergen; Pomoxis annularis and allergy; Pomoxis annularis and allergen
Google: crappie allergy; crappie allergy adverse; crappie allergen adverse; crappie allergen; same search performed for Pomoxis annularis

Nomenclature

According to ITIS, the scientific name is Pomoxis annularis. The common name is listed as White crappie. The scientific and common names are correct and current. The Pomoxis genus is found in the Centrarchidae family.

Parent Product

87 - Food - Fish and Shellfish, Crappie Pomoxis annularis

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **88 - Food - Fish and Shellfish, Flounder Pectinidea spp.**

Recommended Scientific Name Pectinidea, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: flounder and allergy and skin prick; flounder and allergen and skin prick; Pectinidea not found in PubMed.
Google: flounder allergy; flounder allergy adverse; flounder allergen adverse; flounder allergen; same searches performed for Pectinidea

Nomenclature

There is no flounder with Genus of Pectinidea according to ITIS, Fishbase, or Wikipedia. Pectinidae are scallops. (Google search). According to ITIS the common name for Pleuronectes flesus is flounder.

Parent Product

88 - Food - Fish and Shellfish, Flounder Pectinidea spp.

Published Data

PMID 1545094: 9 of 11 fish sensitive patients had positive skin prick tests to flounder extracts (Greer).

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **89 - Food - Fish and Shellfish, Flounder Platichthys sp.**

Recommended Scientific Name Platichthys, (species to be specified)

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: flounder and allergy and skin prick; flounder and allergen and skin prick; Platichthys and allergy; Platichthys and allergen
Google: flounder allergy; flounder allergy adverse; flounder allergen adverse; flounder allergen; same searches performed for Platichthys

Nomenclature

According to ITIS, there are three species of founder listed for Genus Platichthys. They are: Platichthys bicoloratus (stone flounder), Platichthys flesus (European or North Atlantic flounder, white fluke), and Platichthys stellatus (starry flounder). Within the Tribe Pleuronectini, Platichthys and Pleuronectes are two of the five genuses listed.

Parent Product

89 - Food - Fish and Shellfish, Flounder Platichthys sp.

Published Data

PMID: 1545094: 9 patients who had both SPT and oral challenge with flounder extract (Greer). Eight had positive SPT, five had positive reaction to oral food challenge. The Genus and species name of this flounder extract was not mentioned.
PMID: 16337465: crossreactivity between cod and flounder (Platichthys flesus).

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **90 - Food - Fish and Shellfish, Flounder Pleuronectes sp.**

Recommended Scientific Name Pleuronectes, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: flounder and allergy and skin prick; flounder and allergen and skin prick; Pleuronectes and allergy; Pleuronectes and allergen
Google: flounder allergy; flounder allergy adverse; flounder allergen adverse; flounder allergen; same searches performed for Pleuronectes

Nomenclature

According to ITIS, there are five species of founder listed for genus Pleuronectes. They are: P. glacialis, P. pinnifasciatus, P. platessa, P. putnami, and P. quadtrituberculatus. The Pleuronectes genus is found within the Pleuronectini tribe, Pleuronectinae subfamily, and Pleuronectidae family.

Parent Product

90 - Food - Fish and Shellfish, Flounder Pleuronectes sp.

Published Data

PMID: 1545094: 9 patients who had both SPT and oral challenge with flounder extract (Greer). Eight had positive SPT, five had positive reaction to oral food challenge. The Genus and species name of this flounder extract was not mentioned.
PMID: 8705636: 13 out of 39 subjects had a positive history to flounder allergy, 12 out of 39 subjects tested positive to SPT, and 12 out of 21 were confirmed with a positive RAST. Flounder Genus listed as Pleurnectus spp.)
PMID: 11825013: Eleven atopic children, only one had a positive SPT to flounder. Flounder order listed as Pleuronectiformes.

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **91 - Food - Fish and Shellfish, Haddock Melanogrammus aeglefinus**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: haddock and allergy; haddock and allergen
Google: haddock allergy; haddock allergy adverse; haddock allergen adverse; same searches performed for Melanogrammus

Nomenclature

According to ITIS, the scientific name, Melanogrammus aeglefinus, is correct and current. The common name is listed as haddock. The Melanogrammus genus is found in the Gadinae subfamily and Gadidae family. According to LanguaL there is only one haddock. In ITIS a haddock search brings up one genus and species: Melanogrammus aeglefinus. (There also the Norway haddock, which is unrelated: Sebastes viviparus)

Parent Product

91 - Food - Fish and Shellfish, Haddock Melanogrammus aeglefinus

Published Data

PMID: 2262645: Haddock is in the same order as cod (Gadiformes). Cod was shown to crossreact with fish from other orders (pleuronectiformes and perciformes). We make the assumption that if cod crossreacts with fish from other orders, it would likely contain common allergens with fish from the same order. Haddock is also in the same sub family as cod (Gadinae). (Note: This product is the only other fish from the order Gadiformes being reviewed as part of the IIIA reclassification.)
PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. Skin prick test showed a positive response to haddock. The sources of the extracts were not mentioned.
PMID: 8705636: Thirty-five patients were skin prick tested with 16 different commercial extracts. Haddock (Melanogrammus aeglefinus) was one of the extracts. 15 out of 35 had positive skin prick test; 2 out of 39 had positive history. No challenges were performed.

Documents	PubMed Number	Author	Year Published
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **92 - Food - Fish and Shellfish, Halibut Hippoglossus hippoglossus**

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Halibut and allergy; Halibut and allergen; Hippoglossus and allergen;
Hippoglossus and allergy
Google: Halibut allergy; Halibut allergy adverse; Halibut allergen adverse; same searches performed for Hippoglossus

Nomenclature

According to Fishbase, the scientific name, Hippoglossus hippoglossus is correct and current. Within Fishbase, the common name is listed as Atlantic halibut. Halibut is an acceptable common name. The Hippoglossus genus is found in the Pleuronectidae family.

Parent Product

92 - Food - Fish and Shellfish, Halibut Hippoglossus hippoglossus

Published Data

PMID: 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross rectivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Halibut is in the pleuronectiformes order.
PMID: 14582822: In 1978, patient underwent SPT to salmon, trout, and red snapper and demonstrated either a 3+ or 4+ reaction to each. In Oct. 2002, he was skin tested to salmon, cod, halibut, tuna, and trout and found to be negative to each. No Genus/species name mentioned.
PMID: 16337465: Weak cross-reactivity between cod antigen Gad c 1 and halibut Hippoglossus hippoglossus were found.
PMID: 8705636: 35 patients were skin prick tested with 16 different commercial extracts. Halibut (Hippoglossus spp.): 12 out of 35 had positive skin prick test; 4 out of 39 had positive history. No challenges were performed.
PMID: 6222876 3 individuals had positive skin prick tests to halibut.

Documents	PubMed Number	Author	Year Published
91_ Contact Dermatitis 9-219.pdf	6222876	Beck, H.I.	1983
92_ Ann Allergy Asthma Immunol 91-411.pdf	14582822	Solensky, R.	2003
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **93 - Food - Fish and Shellfish, Halibut Hippoglossus stenolipis**

Recommended Scientific Name Hippoglossus stenolepis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Halibut and allergy; Halibut and allergen; Hippoglossus stenolepis and allergy; Hippoglossus stenolepis and allergen; Hippoglossus and allergen;
Hippoglossus and allergy
Google: Halibut allergy; Halibut allergy adverse; Halibut allergen adverse; same searches performed for Hippoglossus stenolepis

Nomenclature

According to Fishbase, the correct spelling of Hippoglossus stenolipis is Hippoglossus stenolepis. A synonym is listed as Hippoglossus hippoglossus camtchaticus. Fishbase lists the common name as Pacific halibut. Halibut is an acceptable common name. The Hippoglossus genus is found in the Pleuronectidae family.

Parent Product

93 - Food - Fish and Shellfish, Halibut Hippoglossus stenolipis

Published Data

PMID: 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross rectivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Halibut is in the pleuronectiformes order.
PMID: 14582822: In 1978, patient underwent SPT to salmon, trout, and red snapper and demonstrated either a 3+ or 4+ reaction to each. In Oct. 2002, he was skin tested to salmon, cod, halibut, tuna, and trout and found to be negative to each. No Genus/species name mentioned.
PMID: 16337465: Weak cross-reactivity between cod antigen Gad c 1 and halibut Hippoglossus hippoglossus were found.
PMID: 8705636: 35 patients were skin prick tested with 16 different commercial extracts. Halibut (Hippoglossus spp.): 12 out of 35 had positive skin prick test; 4 out of 39 had positive history. No challenges were performed.
PMID: 6222876 3 individuals had positive skin prick tests to halibut.

Documents	PubMed Number	Author	Year Published
91_ Contact Dermatitis 9-219.pdf	6222876	Beck, H.I.	1983
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
92_ Ann Allergy Asthma Immunol 91-411.pdf	14582822	Solensky, R.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **94 - Food - Fish and Shellfish, Herring Clupea sp.**

Recommended Scientific Name Clupea harengus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: herring, herring allergen; herring allergy; clupea allergen; clupea allegy
Google: herring allergen; herring allergen adverse; herring allergy; herring allergy adverse; same search performed for Clupea

Nomenclature

According to ITIS, there are 3 accepted species within the Clupea genus. C. bentincki, C. harengus, and C. pallasii. Clupea harengus is known as the Atlantic herring, Baltic hearing, and herring. The common name of herring is acceptable. The Clupea genus is found in the Clupeidae family.

Parent Product

94 - Food - Fish and Shellfish, Herring Clupea sp.

Published Data

PMID: 8705636: Thirty-nine people who reported fish allergy were tested with a variety of fish extracts. For herring (clupea herangus) 14 out of 39 subjects had a positive history and 15 out of 35 subjects were positive SPT.
PMID: 16337465: Ten patients with reported fish allergy were skin prick tested with a several extracts and recombinant allergens. Seven of seven that were skin prick tested with Herring (Clupea harengus) gave a positive reaction. IgE ELISA showed cross-reactivity with Herring and the cod recombinant alergen Gad c 1.

Documents	PubMed Number	Author	Year Published
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **95 - Food - Fish and Shellfish, Lingcod, Ophiodon spp**

Recommended Scientific Name Ophiodon elongatus

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Ophiodon elongatus and allergy; Ophiodon elongatus and allergen; Ophiodon and allergen; Lingcod and allergy; Lingcod and allergen; Ophiodon and allergy
Google: lingcod allergy, lingcod allergy adverse, lingcod allergen; lingcod allergen adverse; the same search performed for Ophiodon

Nomenclature

According to ITIS, Ophiodon elongatus is the only lingcod fish within the Ophiodon genus. Common names are lingcod and molva. The common name is correct and current. The scientific name needs to be updated. O. elongates is listed as a synonym. The Ophiodon genus is found in the Hexagrammidae family.

Parent Product

95 - Food - Fish and Shellfish, Lingcod, Ophiodon spp

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **96 - Food - Fish and Shellfish, Lobster Homarus americanus**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Homarus americanus and allergy; Homarus americanus and allergen; Homarus and allergy; Homarus and allergen; lobster and allergy; lobster and allergen
Google: lobster allergen; lobster allergen adverse; lobster allergy; lobster allergy adverse; same search performed for Homarus

Nomenclature

According to ITIS, the scientific name, Homarus americanus, is correct and current. The common name is listed as American lobster. Lobster as a common name is acceptable. The Homarus genus is found in the Nephropinae subfamily and Nephropidae family. The American lobster is a species of lobster (scientific name Homarus americanus), also known as the northern lobster, or the Maine lobster. There are at least three genera of lobsters.

Parent Product

96 - Food - Fish and Shellfish, Lobster Homarus americanus

Published Data

There is one published article specifically on H. americanus. PMID: 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. Approximately 40% were positive to lobster (H. americanus) extract.
There are some published articles on diagnosing lobster allergy using lobster extracts for SPT, but neither the Genus nor the species are mentioned. PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. SPT showed a large response to lobster. Bronchial inhalation of aqueous lobster extract resulted in isolated early asthmatic response. The sources of the extracts were not mentioned.
PMID: 7499677: A report studied the occupational asthma caused by clam and shrimp in a food company. Five subjects had skin reactivity to lobster (Omega). No matching clinical history or food challenge. The Genus or species name of the lobster extract was not mentioned.
PMID: 8059680: A study showed that the association between history and SPT was statistically significant for Crustaceae, the Class lobster belong to. No Genus or species name of the lobster extract was mentioned.
PMID: 8792927: A 34-year old woman developed occupational allergy to lobster and shrimp. Skin prick tests were positive to lobster (from Omega) and shrimp extracts. Specific inhalation challenges to aqueous lobster extract or shrimp powder were positive. No Genus or species name mentioned for the lobster or shrimp.

Documents	PubMed Number	Author	Year Published
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **97 - Food - Fish and Shellfish, Lobster, Florida**

Recommended Scientific Name Nephropsis aculeata

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Nephropsis and allergy; Nephropsis and allergen; Florida lobster and allergy; Florida lobster and allergen
Google: Florida lobster allergy; Florida lobster allergy adverse; Florida lobster allergen; Florida lobster allergen adverse

Nomenclature

According to ITIS, Nephropsis aculeata is listed as Florida lobsterette. Lobster is an acceptable common name. Florida lobster is on the FDA seafood list.

Parent Product

97 - Food - Fish and Shellfish, Lobster, Florida

Published Data

There is no data specifically on Nephropsis aculeata. Some journal articles on diagnosing lobster allergy using lobster extracts for SPT, but neither the Genus nor the species are mentioned.
PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. SPT showed a large response to lobster. Bronchial inhalation of aqueous lobster extract resulted in isolated early asthmatic response. The sources of the extracts were not mentioned.
PMID: 7499677: A report studied the occupational asthma caused by clam and shrimp in a food company. Five subjects had skin reactivity to lobster (Omega). No matching clinical history or food challenge. The Genus or species name of the lobster extract was not mentioned.
PMID: 8059680: A study showed that the association between history and SPT was statistically significant for Crustaceae, the Class lobster belong to. No Genus or species name of the lobster extract was mentioned.
PMID: 8792927: A 34-year old woman developed occupational allergy to lobster and shrimp. Skin prick tests were positive to lobster (from Omega) and shrimp extracts. Specific inhalation challenges to aqueous lobster extract or shrimp powder were positive. No Genus or species name mentioned for the lobster or shrimp.
PMID: 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. Approximately 40% were positive to lobster (H. americanus) extract.

Documents	PubMed Number	Author	Year Published
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
97_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **98 - Food - Fish and Shellfish, Lobster, Maine**

Recommended Scientific Name Homarus americanus

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Homarus americanus and allergy; Homarus americanus and allergen; Homarus and allergy; Homarus and allergen; lobster and allergy; lobster and allergen
Google: lobster allergen; lobster allergen adverse; lobster allergy; lobster allergy adverse; same search performed for Homarus

Nomenclature

According to ITIS, the scientific name could be Homarus americanus. The common name is listed as American lobster. Lobster is an acceptable common name. The Homarus genus is found in the Nephropinae subfamily and Nephropidae family. The American lobster is a species of lobster (scientific name Homarus americanus), also known as the northern lobster, or the Maine lobster. There are at least three genera of lobsters.

Parent Product

98 - Food - Fish and Shellfish, Lobster, Maine

Published Data

There is one published article specifically on H. americanus. PMID: 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. Approximately 40% were positive to lobster (H. americanus) extract.
There are some published articles on diagnosing lobster allergy using lobster extracts for SPT, but neither the Genus nor the species are mentioned. PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. SPT showed a large response to lobster. Bronchial inhalation of aqueous lobster extract resulted in isolated early asthmatic response. The sources of the extracts were not mentioned.
PMID: 7499677: A report studied the occupational asthma caused by clam and shrimp in a food company. Five subjects had skin reactivity to lobster (Omega). No matching clinical history or food challenge. The Genus or species name of the lobster extract was not mentioned.
PMID: 8059680: A study showed that the association between history and SPT was statistically significant for Crustaceae, the Class lobster belong to. No Genus or species name of the lobster extract was mentioned.
PMID: 8792927: A 34-year old woman developed occupational allergy to lobster and shrimp. Skin prick tests were positive to lobster (from Omega) and shrimp extracts. Specific inhalation challenges to aqueous lobster extract or shrimp powder were positive. No Genus or species name mentioned for the lobster or shrimp.

Documents	PubMed Number	Author	Year Published
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **99 - Food - Fish and Shellfish, Mackerel Scomber scombrus**

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Scomber and allergy; Scomber and allergen; Mackerel and allergy; Mackerel and allergy and skin; Mackerel and allergen and skin
Google: Mackerel allergy; Mackerel allergy adverse; Mackerel allergen; Mackerel allergen adverse; same search performed for Scomber

Nomenclature

According to ITIS, the scientific name, Scomber scombrus, is correct and current. Common names are listed as Atlantic Mackerel, Boston Mackerel, or Mackerel. Mackerel is a common name applied to a number of different species of fish, mostly, but not exclusively, from the family Scombridae. The Scombridae family includes several species. Scomber vernalis is listed as a synonym. Scomber scomber is a mis-spelling of Scomber scombrus (Fishbase). The Scomber genus is found in the Scombrini tribe, Scombrinae subfamily, and Scombridae family.

Parent Product

99 - Food - Fish and Shellfish, Mackerel Scomber scombrus

Published Data

PMID: 2262645: 4 of 20 cod-positive children had positive ST to Mackerel (Scomber scomber, incorrect spelling of scomber scombrus according to Fishbase). No food challenge. Clinical history of 2 or more allergic reactions to cod.
PMID: 16337465: 6 of the 8 cod-positve patients had positive SPT to Mackerel. Most of them had matching clinical history. Challenged with cod, but not mackerel. Didn't mention Genus/species name.
PMID: 1283656: In one paper, IgG ELISA using Abs against Gad C 1 (cod allergen) showed crossreactivity between cod and mackerel (Scomber scombrus). IgE ELISA inhibition of ten sera to Gadc1 was more than 20% with mackeral with most sera.
PMID: 20152850 Scombroid food poisoning caused by eating spoiled fish can resemble an allergic reaction

Documents	PubMed Number	Author	Year Published
72_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
99_ Ann Allergy Asthma Immunol 78-187.pdf	1283656	Hansen, T.K.	1992
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ toxicon 56-231.pdf	20152850		0

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **100 - Food - Fish and Shellfish, Oyster Ostrea spp.**

Recommended Scientific Name Ostrea, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: oyster allergy; oyster allergen; Ostrea allergy; Ostrea allergen
Google: oyster allergy; oyster allergy adverse; oyster allergen; oyster allergen adverse; same search performed for Ostrea

Nomenclature

According to FDA seafood list, Genus ostrea has several species: Ostrea chilensis (Chilean Oyster), Ostrea conchaphila (Olympia Oyster), Ostrea edulis (Edible Oyster), Ostrea laperousei (Japanese Oyster), and Ostrea lurida (Olympia Oyster). Crassostrea and Ostrea are two distinct genera of oyster. According to ITIS, there are seven species within the Ostrea genus: O. conchaphila, O. cristata, O. edulis, O. equestris, O. lurida, O. megadon, and O. sandvicensis. The Ostrea genus is found in the Ostreidae family.

Parent Product

100 - Food - Fish and Shellfish, Oyster Ostrea spp.

Published Data

PMID: 2440933: This paper showed crossreactivity by RAST between uncooked oyster (Crassostrea virginica) and uncooked shrimp (Peneaus setifecus) (56%), uncooked oyster and spiny lobster (85%), uncooked oyster and blue crab (Callinectes sapidus) (88%).
PMID: 15510583: This paper describes a study in which 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. No challenges were performed. Approximately 20% of subjects were positive to oyster (O. virginica) extract.

Documents	PubMed Number	Author	Year Published
78_ J allergy Clin Immunol 80-133.pdf	2440933	Lehrer, S.B.	1987
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **101 - Food - Fish and Shellfish, Perch Sebastes marinus**

Recommended Scientific Name Serranus scriba

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Rose fish and allergy; rose fish and allergen; Sebastes and allergen; Sebastes and allergy
Google: perch allergy; perch allergy adverse; perch allergen; perch allergen adverse; same search results performed for Sebastes marinus

Nomenclature

Based on ITIS, the current scientific name of Sebastes marinus is Serranus scriba. Common names are listed as: ocean perch, redfish, and rose fish. Perch is an acceptable common name. Perca marina is also listed as a synonym. The Serranus genus is found in the Serraninae subfamily and Serranidae family.

Parent Product

101 - Food - Fish and Shellfish, Perch Sebastes marinus

Published Data

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.
PMID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.
PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with perca flavescens another species of perch.

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **102 - Food - Fish and Shellfish, Perch, Fresh Water Perca flavescens**

Recommended Common Name Perch

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Perca flavescens and allergy; Perca flavescens and allergen; Perca and allergy; Perca and allergen; perch and allergy; perch and allergen
Google: Perch allergy, Perch allergy adverse; Perch allergen, Perch allergen adverse; this same search was performed for Perca flavescens

Nomenclature

According to ITIS, the scientific name, Perca flavescens, is correct and current. Common name is listed as yellow perch. The Perca genus is found in the Percidae family.

Parent Product

102 - Food - Fish and Shellfish, Perch, Fresh Water Perca flavescens

Published Data

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.
PubMed ID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.
PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with perca flavescens.

Documents	PubMed Number	Author	Year Published
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **103 - Food - Fish and Shellfish, Perch, Ocean Perca spp.**

Recommended Scientific Name Perca, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Perca and allergy; Perca and allergen; perch and allergy; perch and allergen
Google: Perch allergy, Perch allergy adverse; Perch allergen, Perch allergen adverse; this same search was performed for Perca

Nomenclature

According to Fishbase, there are 3 species of Perca: P. schrenkii (Balkhash perch), P. fluviatilis (European perch), and P. flavescens (yellow perch). These are freshwater fish. The Perca genus is found in the Percidae family. Ocean perch may also refer to one of several species not in the genus perca.

Parent Product

103 - Food - Fish and Shellfish, Perch, Ocean Perca spp.

Published Data

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.
PMID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.
PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with perca flavescens another species of perch.

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 90-622.pdf	1401644	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **104 - Food - Fish and Shellfish, Perch, Ocean Sebastes sp.**

Recommended Scientific Name Sebastes, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Sebastes and allergen; Sebastes and allergy; ocean perch and allergy; ocean perch and allergen
Google: Perch allergy, Perch allergy adverse; Perch allergen, Perch allergen adverse; this same search was performed for Sebastes

Nomenclature

According to Fishbase, there are over 100 valid species within the Sebastes genus. The Sebastes genus is found in the Sebastidae family. Ocean perch may refer to several of these species.

Parent Product

104 - Food - Fish and Shellfish, Perch, Ocean Sebastes sp.

Published Data

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.
PMID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.
PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with perca flavescens another species of perch.

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **105 - Food - Fish and Shellfish, Pike Esox sp.**

Recommended Scientific Name Esox, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PupMed: pike allergy; pike allergen; Esox allergy; Esox allergen
Google: pike allergy; pike allergy adverse; pike allergen; pike allergen adverse; same search performed for Esox

Nomenclature

According to ITIS, there are five species within the Esox genus: E. americanus, E. lucius, El masqquinongy, E. niger, and E. reichertii. The scientific and common names need to be updated. The Esox genus is found in the in the Esocidae family.

Parent Product

105 - Food - Fish and Shellfish, Pike Esox sp.

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **106 - Food - Fish and Shellfish, Red Snapper Lutjanus campechanus**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Lutjanus and allergy; Lutjanus and allergen; red snapper and allergy; red snapper and allergen
Google: Red snapper allergy; Red snapper allergy adverse; Red snapper allergen; Red snapper allergen adverse; same search performed for lutjanus campechanus

Nomenclature

According to ITIS, there are 2 species of red snapper: Lutjanus campechanus and Lutjanus gibbus. The scientific name, Lutjanus campechanus, is correct and current. Common names are listed as northern red snapper and red snapper. Lutjanus blackfordii is listed as a synonym. The Lutjanus genus is found in the Lutjaninae subfamily and Lutjanidae family.

Parent Product

106 - Food - Fish and Shellfish, Red Snapper Lutjanus campechanus

Published Data

PMID 8705636: Thirty-five patients were skin prick tested with 16 different commercial extracts. Of those tested with Snapper (Sebastoces spp.): 15 out of 35 had positive skin prick test; 16 out of 39 had positive history. (Note: Reference to the genus Sebastodes for snapper could not be found in ITIS or Google. Genus Sebastodes was associated with rockfish.)
PMID 9291417: Positive SPTs in two people were confirmed by oral challenge using snapper extract (Hollister-Stier).

Documents	PubMed Number	Author	Year Published
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **107 - Food - Fish and Shellfish, Salmon Salmo salar**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: salmon and allergy; salmon and allergen; salmo salar and allergy; salmo salar and allergen
Google: salmon allergy; salmon allergy adverse; salmon allergen; salmon allergen adverse; same search performed for Salmo salar

Nomenclature

According to ITIS, the scientific name, Salmo salar, is correct and current. Common name is listed as Atlantic salmon. The Salmo genus is found in the Salmoninae subfamily and Salmonidae family.

Parent Product

107 - Food - Fish and Shellfish, Salmon Salmo salar

Published Data

PMID 1401644: One paper shows 2 people with a strong history of salmon allergy having a positive skin test response to salmon extract (Greer). Subsequently these subjects were fed canned salmon with no adverse reactions. This study shows that salmon allergens are denatured during the canning processing by IgE ELISA inhibition studies.
PMID 2262645: Four of 20 cod allergic children also had positive skin prick tests to salmon (Salmo solar) extract.
PMID 16337465: An in vitro paper for the purposes of salmon. Antibodies to recombinant salmon allergen Sal s 1 also binds to extracts of salmon, pollack, herring, halibut, and flounder (all genus and species defined).
PMID 14582822: One patient that was allergic to salmon, his records indicated that in 1978 he had a positive skin prick test to salmon extract. At his current visit he no longer tested positive to salmon, and began to eat salmon freely.
PMID 16948358: 2 of 64 sensitized seafood processing workers had a positive skin prick test to salmon (HAL, Allergen labs, Netherlands)

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 90-622.pdf	1401644	Bernhisel-Broadbent,	1992
92_ Ann Allergy Asthma Immunol 91-411.pdf	14582822	Solensky, R.	2003
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **108 - Food - Fish and Shellfish, Sardine Sardinia pilchardus**

Recommended Scientific Name Sardina pilchardus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: sardine allergy; sardine allergen; Sardinia pilchardus allergy; Sardinia pilchardus allergen
Google: sardine allergy; sardine allergy adverse; sardine allergen; sardine allergen adverse; same search was performed for Sardinia pilchardus

Nomenclature

According to Fishbase, the correct spelling of Sardinia pilchardus is Sardina pilchardus. The common name is listed as sardine or European pilchard. The Sardina genus is found in the Clupeidae family.

Parent Product

108 - Food - Fish and Shellfish, Sardine Sardinia pilchardus

Published Data

PMID 1545094: Two of nine people had positive SPT with sardine extracts. Both had negative DBPCFC, but positive open oral challenges.
PMID 16948358: Two of 64 seafood workers were SPT positive to sardine extract.
PMID 2262645: Four of twenty cod allergic children had a positive SPT to sardine extract (Greer)
PMID 20152850 Scombroid food poisoning caused by eating spoiled fish (including sardines) can resemble an allergic reaction

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
99_ toxicon 56-231.pdf	20152850		0

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **109 - Food - Fish and Shellfish, Scallops Pecten magellanicus**

Recommended Common Name Scallop, Sea

Recommended Scientific Name Placopecten magellanicus

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: scallop allergy; scallop allergen; pectin magellanicus allergy; pectin magellanicus allergen
Google: scallop allergy; scallop allergen; scallop allergy adverse; scallop allergen adverse; same search performed for pectin magellanicus

Nomenclature

According to ITIS, Pecten magellanicus is not listed. ITIS does list Placopecten magellanicus as sea scallop. Magellanicus is the only species in the Placopecten genus. The Placopecten genus is found in the Pectinidae family. The Pecten genus lists three species: P chazaliei, P. eucymatus, and P. maximus. The Pecten genus is found in the Pectinidae family.

Parent Product

109 - Food - Fish and Shellfish, Scallops Pecten magellanicus

Published Data

PMID 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. He had allergic symptoms following ingestion of shellfish (lobster and shrimp) but not mollusks (clams, oysters, etc). Skin prick test gave a 3+ (6 to 8 mm) response to scallops. The sources of the extracts were not mentioned.
PMID 15510583: Describes a study in which 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. No challenges were performed. Approximately 10% (~7 people) were positive to scallop (Pecten magellanicus) extract.
PMID 16620221: This paper shows cross-reactivity between shrimp and crabs, but not scallops.

Documents	PubMed Number	Author	Year Published
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **110 - Food - Fish and Shellfish, Scallops Vola jacobaea**

Recommended Scientific Name Manufacturer must define species name.

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: scallop allergy; scallop allergen; Vola jacobaea allergy; Vola jacobaea allergen
Google: scallop allergy; scallop allergen; scallop allergy adverse; scallop allergen adverse; same search performed for Vola jacobaea

Nomenclature

ITIS does list Vola genus. The manufacturer must identify the scientific name.

Parent Product

110 - Food - Fish and Shellfish, Scallops Vola jacobaea

Published Data

PMID 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. He had allergic symptoms following ingestion of shellfish (lobster and shrimp) but not mollusks (clams, oysters, etc). Skin prick test gave a 3+ (6 to 8 mm) response to scallops. The sources of the extracts were not mentioned.
PMID 15510583: Describes a study in which 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. No challenges were performed. Approximately 10% (~7 people) were positive to scallop (Pecten magellanicus) extract. Vola jacobaea is in the same family as Pecten magellanicus.
PMID 16620221: This paper shows cross-reactivity between shrimp and crabs, but not scallops.

Documents	PubMed Number	Author	Year Published
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
110_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **111 - Food - Fish and Shellfish, Shrimp Crago sp.**

Recommended Scientific Name Crago, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: shrimp allergy; shrimp allergen; Crago allergy; Crago allergen; Crangon allergy; Crangon allergen
Google: shrimp allergy; shrimp allergy adverse; shrimp allergen; shrimp allergen adverse; same search performed for Crago

Nomenclature

Based on ITIS, the correct genus name is Crangon. There are 12 species of Crangon shrimp.

Parent Product

111 - Food - Fish and Shellfish, Shrimp Crago sp.

Published Data

All but one paper that gave the type of shrimp used Peneaus spp.
PMID 4031316: 14 people with history of shrimp allergy had SPT to shrimp extract (Penaeus setificus). 12 had positive SPTs of 10mg/ml or less. (one in ten negative controls had a positive SPT at 10 mg/ml). 9 had a positive RAST ratio.
PMID 3680815: 33 people with history of immediate allergy to shrimp had SPT tested with shrimp extracts ('as described previously' - PMID 4031316). Of a total of 33 patients, 28 had a positive reaction to shrimp. RAST values correlated well with shrimp SPT.
PMID 8792927: One individual with history of allergy to seafood had a positive SPT to shrimp extract (Hollister-Stier). She also had a positive RAST and inhalation challenge. Hollister-Stier only sells Crangon, not Peneaus spp. of shrimp.
PMID 8059680: shrimp extracts and other extracts (Beecham, UK) used for SPT. No break down of data by specific seafood.
PMID 2440933: This paper showed crossreactivity by RAST between Uncooked oyster (crassostrea virginica) and uncooked shrimp (Peneaus setifecus) (56%), Uncooked oyster and spiny Lobster (85%), Uncooked oyster and blue crab (Callinectes sapidus) (88%)
PMID 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts (including Penaeus spp of shrimp). No comment was made on the correlation between skin test positive reactions and history. No challenges were performed.
PMID 16948358: 64 Seafood workers were skin prick tested for allergy to different seafood extracts, including shrimp (Stallergens). 8 of 64 workers tested positive to shrimp.
PMID 16620221: shrimp and crab cross-react (source not given).

Documents	PubMed Number	Author	Year Published
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
78_ J allergy Clin Immunol 80-716.pdf	3680815	Daul, C.B.	1987
78_ J allergy Clin Immunol 80-133.pdf	2440933	Lehrer, S.B.	1987
85_ J allergy Clin Immunol 76-440.pdf	4031316	Waring, N.P.	1985
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **112 - Food - Fish and Shellfish, Shrimp Penaeus sp.**

Recommended Scientific Name Penaeus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: shrimp allergy; shrimp allergen; Penaeus allergy; Penaeus allergen
Google: shrimp allergy; shrimp allergy adverse; shrimp allergen; shrimp allergen adverse; same search performed for Penaeus

Nomenclature

According to ITIS, there are 3 different species within the Penaeus genus (P. esculentus, P. monodon, P. semisulcatus), all are types of tiger shrimp (or prawn). The current genus and species names are: Penaeus aztecus is a synonym for Farfantepenaeus aztecus, Penaeus indicus is a synonym for Fenneropenaeus indicus, and Penaeus setificus (correctly spelled - Penaeus setiferus) is a synonym for Litopenaeus setiferus.

Parent Product

112 - Food - Fish and Shellfish, Shrimp Penaeus sp.

Published Data

All but one paper that gave the type of shrimp used Peneaus spp.
PMID 4031316: 14 people with history of shrimp allergy had SPT to shrimp extract (Penaeus setificus). 12 had positive SPTs of 10mg/ml or less. (one in ten negative controls had a positive SPT at 10 mg/ml). 9 had a positive RAST ratio.
PMID 3680815: 33 people with history of immediate allergy to shrimp had SPT tested with shrimp extracts ('as described previously' - PMID 4031316). Of a total of 33 patients, 28 had a positive reaction to shrimp. RAST values correlated well with shrimp SPT.
PMID 8792927: One individual with history of allergy to seafood had a positive SPT to shrimp extract (Hollister-Stier). She also had a positive RAST and inhalation challenge. Hollister-Stier only sells Crangon, not Peneaus spp. of shrimp.
PMID 8059680: shrimp extracts and other extracts (Beecham, UK) used for SPT. No break down of data by specific seafood.
PMID 2440933: This paper showed crossreactivity by RAST between Uncooked oyster (crassostrea virginica) and uncooked shrimp (Peneaus setifecus) (56%), Uncooked oyster and spiny Lobster (85%), Uncooked oyster and blue crab (Callinectes sapidus) (88%)
PMID 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts (including Penaeus spp of shrimp). No comment was made on the correlation between skin test positive reactions and history. No challenges were performed.
PMID 16948358: 64 Seafood workers were skin prick tested for allergy to different seafood extracts, including shrimp (Stallergens). 8 of 64 workers tested positive to shrimp.
PMID 16620221: shrimp and crab cross-react (source not given).

Documents	PubMed Number	Author	Year Published
85_ J allergy Clin Immunol 76-440.pdf	4031316	Waring, N.P.	1985
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
78_ J allergy Clin Immunol 80-133.pdf	2440933	Lehrer, S.B.	1987
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
112_ J allergy Clin Immunol 80-716.pdf	3680815	Daul, C.B.	1987

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **113 - Food - Fish and Shellfish, Sole Parophyrs sp.**

Recommended Scientific Name Parophrys vetulus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: sole allergy SPT; sole allergen; parophyrs allergy; parophyrs allergen
Google: sole allergy; sole allergy adverse; sole allergen; sole allergen adverse; same search performed for parophyrs

Nomenclature

According to ITIS, the correct spelling of Parophyrs is Parophrys. The only listed species is Parophrys vetulus. Common name is English sole. Synonyms are listed as Inopsetta ischyra, Parophrys hubbardii, P. vetula, and Pleuronectes vetulus. The Parophrys genus is found in the Pleuronectini tribe, Pleuronectinae subfamily, and Pleuronectidae family.

Parent Product

113 - Food - Fish and Shellfish, Sole Parophyrs sp.

Published Data

PMID 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross reactivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Sole is in the pleuronectiformes order.
PMID8705636: 35 fish-allergic patients were skin prick tested with 16 different commercial extracts. Sole (Parophrys cetulus) (possibly misspelled) SPT data: 17 out of 35 had positive skin prick test; 1 out of 39 had positive history. No challenges were performed

Documents	PubMed Number	Author	Year Published
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **114 - Food - Fish and Shellfish, Sole Psettichthys**

Recommended Scientific Name Psettichthys melanostictus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: sole allergy SPT; sole allergen; Psettichthys allergy; Psettichthys allergen
Google: sole allergy; sole allergy adverse; sole allergen; sole allergen adverse; same search performed for Psettichthys

Nomenclature

ITIS only lists one species in this genus: Psettichthys melanostictus. The common name of P. melanostictus is sand sole. The Psettichthys genus is found in the Psettichthyini tribe, Pleuronectinae subfamily, and Pleuronectidae family.

Parent Product

114 - Food - Fish and Shellfish, Sole Psettichthys

Published Data

PMID 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross rectivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Sole is in the pleuronectiformes order.

Documents	PubMed Number	Author	Year Published
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **115 - Food - Fish and Shellfish, Swordfish Xiphias gladius**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: swordfish allergy; swordfish allergen; Xiphias gladius allergy; Xiphias gladius allergen
Google: swordfish allergy; swordfish allergy adverse; swordfish allergen; swordfish allergen adverse; the same search performed for Xiphias gladius

Nomenclature

According to ITIS, the scientific name, Xiphias gladius, is correct and current. Common names are listed as broadbill and swordfish. Synonyms are listed as: Plaethonichthys tuberculatus, Tetrapturus imperator, Xiphias estara, X. rondeletii, and X. thermajcus. The Xiphias genus is found in the Xiphiidae family.

Parent Product

115 - Food - Fish and Shellfish, Swordfish Xiphias gladius

Published Data

PMID 8814049: A paper used commercial and fresh extracts of swordfish to diagnose allergy in a swordfish-allergic patient. There is only one genus and species of swordfish: Xiphias gladius.
PMID 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as swordfish.
PMID 19796207: fish allergic patients had positive skin prick test for swordfish Xiphias gladius, showed cross reactivity with cod and whiff

Documents	PubMed Number	Author	Year Published
115_ Ann Allergy Asthma Immunol 77 - 227.pdf	8814049	Kelso, J.M.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
115_ allergy 65-191.pdf	19796207		0

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **116 - Food - Fish and Shellfish, Trout, Gulf Speckled Salmo sp.**

Recommended Scientific Name Salmo, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: trout allergy; trout allergen; Salmo allergy; Salmo allergen
Google: trout allergy; trout allergy adverse; trout allergen; trout allergen adverse; the same search performed for Gulf Speckled Salmo and Salmo

Nomenclature

Trouts are in the subfamily Salmoninae (along with salmons and salmonids). There are 30 species in the genus salmo (including salmon). Speckled trout is listed as Salvelinus fontinalis in fishbase.

Parent Product

116 - Food - Fish and Shellfish, Trout, Gulf Speckled Salmo sp.

Published Data

PMID 1545094: 11 fish allergic people were skin prick tested with several fish extracts (Greer). Five of six people skin prick tested with trout extract gave a positive response. Each person was challenged orally with Trout, only one had a positive response. IgE ELISA inhibition studies were performed on two sera individually. Both were from sera of salmon allergic patients. Salmon, trout and flounder extracts all inhibited IgE binding of salmon extracts. Trout is in the same order as salmon. Flounder is in a different order and the patients had a history of not having clinical reactions to flounder. Whey did not inhibit binding.
PMID 2262645: The presence of a positive clinical history and skin test (ST) results for 17 fish species were investigated in 20 children with cod-positive clinical history. 7 of 20 cod-positive children had positive ST to trout (S. trutta)
PMID 16948358: Seafood workers were skin prick tested for allergy to different seafood extracts. No genera were listed, but the European companies the extracts were purchased from were listed. 1 of 64 workers tested positive to trout.

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **117 - Food - Fish and Shellfish, Trout, Lake Salmo sp.**

Recommended Scientific Name Salmo, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: trout allergy; trout allergen; Salmo allergy; Salmo allergen
Google: trout allergy; trout allergy adverse; trout allergen; trout allergen adverse; the same search performed for Lake Salmo

Nomenclature

Trouts are in the subfamily Salmoninae (along with salmons and salmonids). There are 30 species in the genus salmo. ITIS has a lake trout with genus and species Salvelinus namaycush.

Parent Product

117 - Food - Fish and Shellfish, Trout, Lake Salmo sp.

Published Data

PMID 1545094: 11 fish allergic people were skin prick tested with several fish extracts (Greer). Five of six people skin prick tested with trout extract gave a positive response. Each person was challenged orally with Trout, only one had a positive response. IgE ELISA inhibition studies were performed on two sera individually. Both were from sera of salmon allergic patients. Salmon, trout and flounder extracts all inhibited IgE binding of salmon extracts. Trout is in the same order as salmon. Flounder is in a different order and the patients had a history of not having clinical reactions to flounder. Whey did not inhibit binding.
PMID 2262645: The presence of a positive clinical history and skin test (ST) results for 17 fish species were investigated in 20 children with cod-positive clinical history. 7 of 20 cod-positive children had positive ST to trout (S. trutta)
PMID 16948358: Seafood workers were skin prick tested for allergy to different seafood extracts. No genera were listed, but the European companies the extracts were purchased from were listed. 1 of 64 workers tested positive to trout.

Documents	PubMed Number	Author	Year Published
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **118 - Food - Fish and Shellfish, Trout, Lake Salvelinus sp.**

Recommended Scientific Name Salvelinus, (species to be specified)

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: trout allergy; trout allergen; Salvelinus allergy; Salvelinus allergen
Google: trout allergy; trout allergy adverse; trout allergen; trout allergen adverse; the same search performed for Lake Salvelinus

Nomenclature

According to ITIS, trouts are in the subfamily Salmoninae (along with salmons and salmonids). There are 46 species in the genus Salvelinus. Salvelinus namaycush is a lake trout. There are no papers specifically on this genus and species of trout.

Parent Product

118 - Food - Fish and Shellfish, Trout, Lake Salvelinus sp.

Published Data

PMID 1545094: 11 fish allergic people were skin prick tested with several fish extracts (Greer). Five of six people skin prick tested with trout extract gave a positive response. Each person was challenged orally with Trout, only one had a positive response. IgE ELISA inhibition studies were performed on two sera individually. Both were from sera of salmon allergic patients. Salmon trout and flounder extracts all inhibited IgE binding of salmon extracts. Trout is in the same order as salmon. Flounder is in a different order and the patients had a history of not having clinical reactions to flounder. Whey did not inhibit binding.
PMID 2262645: The presence of a positive clinical history and skin test (ST) results for 17 fish species were investigated in 20 children with cod-positive clinical history. 7 of 20 cod-positive children had positive ST to trout (S. trutta)
PMID 16948358: Seafood workers were skin prick tested for allergy to different seafood extracts. No genera were listed, but the (European) companies the extracts were purchased from were listed. 1 of 64 workers tested positive to trout.

Documents	PubMed Number	Author	Year Published
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	none
Therapy:	Category IIIA	none

Product: **119 - Food - Fish and Shellfish, Tuna Neothunnus sp.**

Recommended Scientific Name Neothunnus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: tuna allergy; tuna allergen; Neothunnus allergy; Neothunnus allergen
Google: tuna allergy; tuna allergy adverse; tuna allergen; tuna allergen adverse; the same search was performed for Neothunnus

Nomenclature

According to ITIS and Fishbase, the current scientific name for Neothunnus is Thunnus. In ITIS, there are three Species listed: T. albacares, T. atlanticus, and T. tongol. The Thunnus genus is found in the Thunnini tribe, Scombrinae subfamily, and Scombridae family.

Parent Product

119 - Food - Fish and Shellfish, Tuna Neothunnus sp.

Published Data

PMID 2262645: Eleven of twenty cod-allergic children are skin prick test positive to tuna extract (Thunnus thynnus). Tuna and cod are shown to interact by RAST inhibition experiments.
PMID 16337465: Seven people were skin prick tested with tuna extract (Thunus albacres). One person had a positive reaction. Results were consistent with IgE data.
PMID 9291417 This paper reports five children with histories of allergic reactions following the ingestion of catfish (4/5), cod (1/5), and tuna (1/5). All five patients had positive SPT and/or RAST to fish extracts.
PMID: 20152850 Scombroid food poisoning caused by eating spoiled fish (including sardines) can resemble an allergic reaction

Documents	PubMed Number	Author	Year Published
119_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **120 - Food - Fish and Shellfish, Tuna Thunnus sp.**

Recommended Scientific Name Thunnus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: tuna allergy; tuna allergen; Thunnus allergy; Thunnus allergen
Google: tuna allergy; tuna allergy adverse; tuna allergen; tuna allergen adverse; the same search was performed for Thunnus

Nomenclature

According to ITIS and Fishbase, the genus name Thunnus is current. In ITIS, there are three species listed: T. albacares, T. atlanticus, and T. tongol. The Thunnus genus is found in the Thunnini tribe, Scombrinae subfamily, and Scombridae family.

Parent Product

120 - Food - Fish and Shellfish, Tuna Thunnus sp.

Published Data

PMID 2262645: Eleven of twenty cod-allergic children are skin prick test positive to tuna extract (Thunnus thynnus). Tuna and cod are shown to interact by RAST inhibition experiments.
PMID 16337465: Seven people were skin prick tested with tuna extract (Thunus albacres). One person had a positive reaction. Results were consistent with IgE data.
PMID: 20152850 Scombroid food poisoning caused by eating spoiled fish (including sardines) can resemble an allergic reaction

Documents	PubMed Number	Author	Year Published
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **121 - Food - Fish and Shellfish, Whitefish, Lake Coregonus sp.**

Recommended Scientific Name Coregonus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: whitefish allergy; whitefish allergen; lake coregonus allergy; coregonus allergen
Google: whitefish allergy; whitefish allergy adverse; whitefish allergen; whitefish allergen adverse; the same search was performed for coregonus

Nomenclature

According to ITIS, there are over 60 species of fish in the Coregonus genus. The only species within this genus with the common name of 'lake whitefish,' is Coregonus clupeaformis. The Coregonus genus is found in the Coregoninae subfamily and Salmonidae family.

Parent Product

121 - Food - Fish and Shellfish, Whitefish, Lake Coregonus sp.

Published Data

PMID 8705636: 35 patients were skin prick tested with 16 different commercial extracts (species defined). Some extracts were also made and used for skin prick tests. Whitefish (Coregonnus spp.): 18/35 had positive skin prick test; 10/39 had positive history.

Documents	PubMed Number	Author	Year Published
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **122 - Food - Fish and Shellfish, Whitefish, Lake Prosopium sp.**

Recommended Scientific Name Prosopium, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: whitefish allergy; whitefish allergen; lake prosopium allergy; prosopium allergen
Google: whitefish allergy; whitefish allergy adverse; whitefish allergen; whitefish allergen adverse; the same search was performed for prosopium

Nomenclature

According to ITIS, there are 6 species in the genus Prosopium. The only species within this genus with the common name of Bear 'lake whitefish' is Prosopium abyssicola. The Prosopium genus is found in the Coregoninae subfamily and Salmonidae family.

Parent Product

122 - Food - Fish and Shellfish, Whitefish, Lake Prosopium sp.

Published Data

PMID 8705636: 35 patients were skin prick tested with 16 different commercial extracts (species defined). Some extracts were also made and used for skin prick tests. Whitefish (Coregonnus spp.): 18/35 had positive skin prick test; 10/39 had positive history

Documents	PubMed Number	Author	Year Published
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **123 - Food - Plant Source, Allspice Pimenta officinalis**

Recommended Scientific Name Pimenta dioica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: allspice and allergy; allspice and allergen; Pimenta officinalis and allergen; Pimenta officinalis and allergy
Google: allspice allergy; allspice allergy adverse; allspice allergen; allspice allergen adverse; same search performed for Pimenta officinalis and Pimenta dioica

Nomenclature

Based on ITIS, the currently accepted name for Pimenta officinalis is Pimenta dioica. The common name of allspice is correct. P. officinalis is also listed as a synonym. The Pimenta genus is found in the Myrtaceae family.

Parent Product

123 - Food - Plant Source, Allspice Pimenta officinalis

Published Data

Only one paper (PMID: 8930476) was found that used allspice to diagnose allergy. This paper used fresh spice not an extract.

Documents	PubMed Number	Author	Year Published
123_ Contact Derma 35-157.pdf	8930476	Kanerva, L.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **124 - Food - Plant Source, Almond Prunus amygdalus**

Recommended Common Name Almond, Sweet

Recommended Scientific Name Prunus dulcis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: almond and allergy; almond and allergen; Prunus amygdalus and allergy; Prunus amygdalus and allergen
Google: almond allergy; almond allergy adverse; almond allergen; almond allergen adverse; same search performed for Prunus amygdalus

Nomenclature

According to ITIS, the accepted name for Prunus amygdalus is Prunus dulcis. The common name is sweet almond. Additional synonyms are: Amygdalus communis, A. dulcis, Prunus amygdalus, P. communis. The Prunus genus is found in the Rosaceae family.

Parent Product

125 - Food - Plant Source, Almond Prunus dulcis

Related Products

124 - Food - Plant Source, Almond Prunus amygdalus

Published Data

One study (PMID: 12269944) had 65 patients with 351 SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greater than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT or positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%.
Another observational study (PMID: 12911776) of 1000 patients who are allergic to at least one nut. History of reactions or tolerance to peanut, hazelnut, cashew, almond, pecan, brazel nut, and walnut was obtained and skin prick test (SPT) and serum-specific IgE (CAP) performed. Where patients tolerated a nut, 43% had positive SPT. Of patients with a clear nut-allergic history, only 0.5% had negative SPT.
A study (PMID: 16176398) of seven hundred and eighty-four nut-allergic children, prospectively enrolled on first attendance with history of a type I allergic reation shortly after definite nut ingestion with evidence of sensitization (presence of nut-specific IgE) and by skin prick test (SPT) to peanut, Brazil, almond, hazel, and walnut (positive >=3 mm). All these patients had nut-allergy clinical history and positive SPT.
In PMID: 10887323 thirty-four adult patients complaining of adverse reactions to Rosaceae were included in the study. No evidence of clinical reactivity was found in 66% of positive skin prick tests and 63% of positive specific IgE to fruits. Among these, rates of clinical reactivity to seven foods of the Rosaceae family were: peach (92%), plum (22%), pear (6%), apple (33%), almond (7%), appricot (36%), and strawberry (8%). The sensitivity of SPT overall was 95%.

Documents	PubMed Number	Author	Year Published
124_ Clin Exp Allergy 33-1041.pdf	12911776	Clark, A.T.	2003
124_ Pediatr Allergy Immunol 16-507.pdf	16176398	Clark, A.T.	2005
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **125 - Food - Plant Source, Almond Prunus dulcis**

Recommended Common Name Almond, Sweet

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: almond and allergy; almond and allergen; Prunus dulcis and allergy; Prunus dulcis and allergen
Google: almond allergy; almond allergy adverse; almond allergen; almond allergen adverse; same search performed for Prunus dulcis

Nomenclature

According to ITIS, the scientific name, Prunus dulcis, is correct and current. The common name is sweet almond. Additional synonyms are: Amygdalus communis, A. dulcis, Prunus amygdalus, P. communis. The Prunus genus is found in the Rosaceae family.

Parent Product

125 - Food - Plant Source, Almond Prunus dulcis

Related Products

124 - Food - Plant Source, Almond Prunus amygdalus

Published Data

One study (PMID: 12269944) had 65 patients with 351 SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greater than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT or positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%.
Another observational study (PMID: 12911776) of 1000 patients who are allergic to at least one nut. History of reactions or tolerance to peanut, hazelnut, cashew, almond, pecan, brazel nut, and walnut was obtained and skin prick test (SPT) and serum-specific IgE (CAP) performed. Where patients tolerated a nut, 43% had positive SPT. Of patients with a clear nut-allergic history, only 0.5% had negative SPT.
A study (PMID: 16176398) of seven hundred and eighty-four nut-allergic children, prospectively enrolled on first attendance with history of a type I allergic reation shortly after definite nut ingestion with evidence of sensitization (presence of nut-specific IgE) and by skin prick test (SPT) to peanut, Brazil, almond, hazel, and walnut (positive >=3 mm). All these patients had nut-allergy clinical history and positive SPT.
In PMID: 10887323 thirty-four adult patients complaining of adverse reactions to Rosaceae were included in the study. No evidence of clinical reactivity was found in 66% of positive skin prick tests and 63% of positive specific IgE to fruits. Among these, rates of clinical reactivity to seven foods of the Rosaceae family were: peach (92%), plum (22%), pear (6%), apple (33%), almond (7%), appricot (36%), and strawberry (8%). The sensitivity of SPT overall was 95%.

Documents	PubMed Number	Author	Year Published
124_ Clin Exp Allergy 33-1041.pdf	12911776	Clark, A.T.	2003
124_ Pediatr Allergy Immunol 16-507.pdf	16176398	Clark, A.T.	2005
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **126 - Food - Plant Source, Anise Seed Pimpinella anisum**

Recommended Common Name Anise Burnet Saxifrage

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: anise and allergy; anise and allergy; Pimpinella anisum and allergy; Pimpinella anisum and allergy
Google: anise seed allergy; anise seed allergy adverse; anise seed allergen; anise seed allergen adverse; same search performed for Pimpinella anisum

Nomenclature

According to ITIS, the scientific name Pimpinella anisum, is correct and current. The common name is listed as anise burnet saxifrage. Anisum vulgare is listed as a synonym. The Pimpinella genus is found in the Apiaceae family.

Parent Product

126 - Food - Plant Source, Anise Seed Pimpinella anisum

Published Data

One case report (PMID: 8836339) showed a case of occupational allergy to aniseed (Pimpinella anisum). Patient tested positive to bronchial provaction test (BPT). Type I hypersensitivity was suggested by positive SPT and demonstration of specific IgE antibodies to aniseed by RAST.
In PMID: 12868972 a patient with history of atopy, developed symptoms when handling dill plants. Anise extracts were prepared using a standard method. IgE ELISA score of 2.5 was obtained for anise and a positive SPT.
One case report (PMID: 12027075) showed a case of occupational allergy to aniseed associated with rhinoconjunctivitis and gastrointestinal symptoms. Patient has positive SPT, positive nasal challenge test, and positive oral food challenge to aniseed.
In PMID: 1957997, 48 out of 70 patients were positive to aniseed by scratch tests. Appears as if spice was used instead of an extract for testing.

Documents	PubMed Number	Author	Year Published
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
198_ contact dermatitis 48 - 275.pdf	12868972	Monteseirín, J.	2003
126_ Allergy 51-337.pdf	8836339	Fraj, J.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **127 - Food - Plant Source, Apple Malus pumila**

Recommended Common Name Apple, Paradise

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Malus pumila and allergy; Malus pumila and allergen; paradise apple and allergy; paradise apple and allergen; apple and allergy; malus and allergy and skin prick
Google: apple allergy; apple allergy adverse; apple allergen; apple allergen adverse; same search performed for Malus pumila

Nomenclature

Based on ITIS, the scientific name, Malus pumila, is correct and current. The common name is paradise apple. Synonyms are: M. communis, M. domestica, M. sylvestris, and P. pumila. The Malus genus is found in the Rosaceae family.

Parent Product

127 - Food - Plant Source, Apple Malus pumila

Related Products

128 - Food - Plant Source, Apple Malus sylvestris

Published Data

There are no known data using Malus pumila extract for diagnosing apple allergy. Two papers (PMID: 10887323 and 12269944) were identified that used fresh apples for diagnosis.

Documents	PubMed Number	Author	Year Published
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **128 - Food - Plant Source, Apple Malus sylvestris**

Recommended Common Name Apple, Paradise

Recommended Scientific Name Malus pumila

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Malus sylvestris and allergy; Malus sylvestris and allergen; Pyrus malus and allergy; Pyrus malus and allergen
Google: apple allergy; apple allergy adverse; apple allergen; apple allergen adverse; same search performed for Malus sylvestris and Malus pumila

Nomenclature

Based on ITIS, the current scientific name of Malus sylvestris is Malus pumila. The common name is paradise apple. Synonyms are: M. communis, M. domestica, M. sylvestris, and P. pumila. The Malus genus is found in the Rosaceae family.

Parent Product

127 - Food - Plant Source, Apple Malus pumila

Related Products

128 - Food - Plant Source, Apple Malus sylvestris

Published Data

There are no known data using Malus pumila extract for diagnosing apple allergy. Two papers (PMID: 10887323 and 12269944) were identified that used fresh apples for diagnosis.

Documents	PubMed Number	Author	Year Published
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **129 - Food - Plant Source, Apricot Prunus armeniaca**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: apricot and allergy; apricot and allergy and skin prick; Prunus armeniaca and allergy and skin prick; Prunus armeniaca and allergen and skin prick
Google: apricot allergy; apricot allergy adverse; apricot allergen; apricot allergen adverse; same search performed for Prunus armeniaca

Nomenclature

According to ITIS, the scientific name, Prunus armeniaca, is correct and current. The common name is listed as apricot. Armeniaca vulgaris is listed as a synonym. The Prunus genus is found in the Rosaceae family.

Parent Product

129 - Food - Plant Source, Apricot Prunus armeniaca

Published Data

In PMID: 10887323, 26 and 24 patients had positive skin prick tests and CAP FEIA with Rosaceae, respectively. No evidence of clinical reactivity was found in 66% of positive skin prick tests and 63% of positive specific IgE to fruits. Among these, rates of clinical reactivity to seven foods of the Rosaceae family were: peach (92%), plum (22%), pear (6%), apple (33%), almond (7%), appricot (36%), and strawberry (8%). The study used fresh fruits for skin-prick test. The sensitivity of SPT overall was 95%.
In PMID: 12269944, 65 patients had 351 additional SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greated than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT of positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%. Prick-prick tests with fresh fruits were used for all the fruits.
In PMID: 7930303, 23 patients with oral allergy syndrome for peach and positive SPT and RAST results for peach and other prunoideae were recruited. Open food challenge showed clinical relevancy of positive SPT for cherry to be 52.6%, 42.1% for plum, and 31.7% for apricot. The study didn't address the sensitivity issue. Prick-prick tests with fresh fruits were used for all the fruits.

Documents	PubMed Number	Author	Year Published
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
129_ J Allergy Cli immunol 94-699.pdf	7930303	Pastorello, E.A.	1994

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **130 - Food - Plant Source, Apricot Prunus sp.**

Recommended Scientific Name Prunus, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: apricot and allergy; apricot and allergy and skin prick; Prunus and allergy and skin prick; Prunus and allergen and skin prick
Google: apricot allergy; apricot allergy adverse; apricot allergen; apricot allergen adverse; same search performed for Prunus

Nomenclature

According to ITIS, there are over 55 species within the Prunus genus. The common names for this genus are chokecherry, plum, and prunus. The scientific and common names need to be updated. The Prunus genus is found in the Rosaceae family.

Parent Product

130 - Food - Plant Source, Apricot Prunus sp.

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **131 - Food - Plant Source, Arrowroot Curcuma angustifolia**

Recommended Common Name Arrowroot, Indian

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: arrowroot and allergy; arrowroot and allergen; Maranta arundinacea and allergen; Curcuma angustifolia and allergen; Curcuma angustifolia and allergy
Google: arrowroot allergy; arrowroot allergy adverse; arrowroot allergen; arrowroot allergen adverse; same search performed for Curcuma angustifolia

Nomenclature

According to ITIS, the scientific name, Curcuma angustifolia, is correct and current. The common name is listed as east indian arrowroot. The common name for Maranta arundinacea is arrowroot. The Curcuma genus is found in the Zingiberaceae family.

Parent Product

131 - Food - Plant Source, Arrowroot Curcuma angustifolia

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **132 - Food - Plant Source, Artichoke Cynara scolymus**

Recommended Common Name Artichoke, Globe

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: artichoke and allergy; artichoke and allergen; Cynara scolymus and allergy; Cynara scolymus and allergen
Google: artichoke allergy; artichoke allergy adverse; artichoke allergen; artichoke allergen adverse; same search performed for Cynara scolymus

Nomenclature

According to ITIS, the scientific name, Cynara scolymus, is correct and current. The common name for this product is globe artichoke. The Cynara genus is found in the Asteraceae family.

Parent Product

132 - Food - Plant Source, Artichoke Cynara scolymus

Published Data

PMID: 12877457 reported of two atopic females who developed rhinitis and bronchial asthma by sensitization to artichoke. Both patients had positive SPT and nasal challenge to artichoke extracts.
PMID: 10879999 reported one case of urticaria-angioedema after ingestion of both raw and boiled artichokes. Skin prick tests with commercial artichoke extracts, or fresh, or boiled artichokes were positive.

Documents	PubMed Number	Author	Year Published
132_ Ann Allergy Asthma Immunol 91-92.pdf	12877457	Miralles, J.C.	2003
132_ Invest Allegol Clin Immunol 10-102.pdf	10879999	Romano, C.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **133 - Food - Plant Source, Artichoke, Jerusalem Helianthus tuberosus**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Helianthus tuberosus and allergy; Helianthus tuberosus and allergen; Jerusalem artichoke and allergy and skin prick; Jerusalem artichoke and allergy and skin prick
Google: artichoke allergy; artichoke allergy adverse; artichoke allergen; artichoke allergen adverse; same search performed for Jerusalem artichoke and Helianthus tuberosus

Nomenclature

According to ITIS, the scientific name, Helianthus tuberosus, is correct and current. The common names are listed as Jerusalem artichoke and Jerusalem sunflower. Two synonyms are listed: H. tomentosus and H. tuberosus var. subcanescens. The Helianthus genus is found in the Asteraceae family. Wikipedia: The Jerusalem artichoke Helianthus tuberosus is a species of sunflower. The edible part of the plant is the tuber. When unqualified, the term "artichoke" nearly always refers to the globe artichoke, of which the aboveground part is eaten, in contrast to Jerusalem artichoke and Chinese aritichoke, where the root part is eaten.

Parent Product

133 - Food - Plant Source, Artichoke, Jerusalem Helianthus tuberosus

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **134 - Food - Plant Source, Asparagus Asparagus officinalis**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Asparagus and allergy; Asparagus and allergen; Asparagus officinalis and allergy; Asparagus officinalis and allergy
Google: asparagus allergy; asparagus allergy adverse; asparagus allergen; asparagus allergen adverse; the same search performed for Asparagus officinalis

Nomenclature

According to ITIS, the scientific name, Asparagus officinalis, is correct and current. Common names are listed as asparagus and garden asparagus. The Asparagus genus is found Liliaceae family.

Parent Product

134 - Food - Plant Source, Asparagus Asparagus officinalis

Published Data

In PMID: 12027075, a patient reported having stomach pain and general malaise after eating foods containing asparagus. SPT was positive to asparagus extract.
Another case report (PMID: 10753025) showed two patients having IgE mediated contact urticaria with cooked asparagus and showed positive SPT and IgE to cooked asparagus extract.
In PMID: 9930601 a 28-year-old man complained of rhinoconjunctivitis and asthma when harvesting asparagus at work. SPT with raw asparagus was positive. The patient had an immediate asthmatic response after challenge with raw asparagus extract.

Documents	PubMed Number	Author	Year Published
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
203_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000
134_ Allergy 53-1216.pdf	9930601	Lopez-Rubio, A.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **135 - Food - Plant Source, Avocado Persea americana**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: avocado and allergy and skin prick; avocado allergen SPT; Persea americana allergy; Persea americana allergy
Google: avocado allergen; avocado allergen adverse; avocado allergy; avocado allergy adverse; the same search performed for Persea americana

Nomenclature

According to ITIS, the scientific name, Persea americana, is correct and current. The common name is avocado. P. persea is listed as a synonym. Two varieties are listed: P. americana var. Americana and P. americana var. drymifolia. The Persea genus is found in the Lauraceae family.

Parent Product

135 - Food - Plant Source, Avocado Persea americana

Published Data

In PMID: 12269944, 65 patients had 351 additional SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greated than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT of positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%. Prick-prick tests with fresh fruits were used for all the fruits.
In PMID: 12452211 four subjects complained about symptoms after banana consumption, SPT with aeroallergens: latex, banana, avocado, and kiwi were performed. Two patients had positive SPT and CAP to avocado.
One report (PMID: 10069887) of eighteen latex-allergic patients who are also allergic to chestnut, avocado, or both. Sixteen patients had positive symptom to avocado ingestion. All of them had positive SPT to avacado extract. Of the two who were not allergic to avocado, one had positive SPT.
One case report (PMID: 9134065) shows a 6-year-old Caucasian boy who had cutaneous and respiratory reactions to banana and avocado. SPT were positive to banana, avocado, and chestnut.

Documents	PubMed Number	Author	Year Published
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
136_ Ann Allergy Asthma Immunol 89-513.pdf	12452211	Grob, M.	2002
135_ J Allergy Cli immunol 103-507.pdf	10069887	Blanco, C.	1999
135_ Allergy asthma proc 18-85.pdf	9134065	Freeman, G.L.	1997

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **136 - Food - Plant Source, Banana Musa paradisiaca**

Recommended Common Name Plantain, French

Recommended Scientific Name Musa X paradisiacal

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: banana and allergy and skin prick; Musa paradisiaca and allergy; Musa paradisiaca and allergen; Musa and allergy
Google: banana allergy; banana allergy adverse; banana allergen; banana allergen adverse; same search performed for Musa paradisiaca

Nomenclature

According to ITIS, the current scientific name for Musa paradisiaca is Musa X paradisiacal. The common name is French plantain and synonyms are: Musa ornate var. normalis and M. sapientum. The Musa genus is found in the Musaceae family.

Parent Product

136 - Food - Plant Source, Banana Musa paradisiaca

Related Products

137 - Food - Plant Source, Banana Musa sapientum

Published Data

Panel I mentioned in its report two cases of banana allergy and correlated strongly positive skin tests to banana extract. Passive transfer studies done with one individual's serum was strongly positive. The Genus and species name of banana was not mentioned.

Allergy provoked by ingestion or handling of banana fruit is usually found among latex-allergic patients, and frequently associated with sensitization to other foods, such as avocado, chestnut, and kiwi.

In a case report (PMID: 12269944), banana allergy of seven of the ten patients with positive SPT to banana was confirmed by DBPCFC. Prick-prick test was used for SPT. The species name of the banana was not mentioned.

In a case report (PMID: 12452211), four patients complained about symptoms after banana consumption. All four patients showed a positive SPT to banana and three were IgE-CAP positive. Two patients' banana allergy was confirmed by DBPCFC. The species name of the banana extract used for SPT was not mentioned.

In PMID: 10231328 fifteen patients with clinical history of immediate reactions to banana and positive prick by prick test with banana were tested for SPT with banana extract (Musa paradisiaca). 93% (14/15) of the SPT responses were positive.

Documents	PubMed Number	Author	Year Published
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
136_ Ann Allergy Asthma Immunol 89-513.pdf	12452211	Grob, M.	2002
136_ clin Exp Allergy 29-673.pdf	10231328	Sanchez-Monge, R.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **137 - Food - Plant Source, Banana Musa sapientum**

Recommended Common Name Plantain, French

Recommended Scientific Name Musa X paradisiacal

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: banana and allergy and skin prick; Musa sapientum and allergy; Musa sapientum and allergen; Musa and allergy
Google: banana allergy; banana allergy adverse; banana allergen; banana allergen adverse; same search performed for Musa sapientum

Nomenclature

According to ITIS, the current scientific name for Musa sapientum is Musa X paradisiacal. The common name is French plantain and synonyms are: Musa ornate var. normalis and M. sapientum. The Musa genus is found in the Musaceae family.

Parent Product

136 - Food - Plant Source, Banana Musa paradisiaca

Related Products

137 - Food - Plant Source, Banana Musa sapientum

Published Data

Panel I mentioned in its report two cases of banana allergy and correlated strongly positive skin tests to banana extract. Passive transfer studies done with one individual's serum was strongly positive. The Genus and species name of banana was not mentioned.

Allergy provoked by ingestion or handling of banana fruit is usually found among latex-allergic patients, and frequently associated with sensitization to other foods, such as avocado, chestnut, and kiwi.

In a case report (PMID: 12269944), banana allergy of seven of the ten patients with positive SPT to banana was confirmed by DBPCFC. Prick-prick test was used for SPT. The species name of the banana was not mentioned.

In a case report (PMID: 12452211), four patients complained about symptoms after banana consumption. All four patients showed a positive SPT to banana and three were IgE-CAP positive. Two patients' banana allergy was confirmed by DBPCFC. The species name of the banana extract used for SPT was not mentioned.

In PMID: 10231328 fifteen patients with clinical history of immediate reactions to banana and positive prick by prick test with banana were tested for SPT with banana extract (Musa paradisiaca). 93% (14/15) of the SPT responses were positive.

Documents	PubMed Number	Author	Year Published
136_ Ann Allergy Asthma Immunol 89-513.pdf	12452211	Grob, M.	2002
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
136_ clin Exp Allergy 29-673.pdf	10231328	Sanchez-Monge, R.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **138 - Food - Plant Source, Barley, Whole Grain Hordeum vulgare**

Recommended Common Name Barley, Common

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: barley and allergy and skin prick; barley allergen SPT; Hordeum vulgare allergy; Hordeum vulgare allergen
Google: barley allergy; barley allergy adverse; barley allergen; barley allergen adverse; same search also performed for Hordeum vulgare

Nomenclature

According to ITIS, the scientific name, Hordeum vulgare, is correct and current. Common names are listed as barley, cereal barley, and common barley. Synonyms are listed as: Hordeum aegiceras, H. distichon, H. hexastichon, H. hexastichum, H. irregulare, H. sativum, and H. vulgare var. trifurcatum. The Hordeum genus is found in the Poaceae family.

Parent Product

138 - Food - Plant Source, Barley, Whole Grain Hordeum vulgare

Published Data

In PMID: 7560636 one hundred forty-five patients, with positive SPT to one or more cereal grain (including barley), were included in the study. 20 out of 45 (45%) had positive SPTs and 1 out of 25 had a positive challenge response to barley. Barley extracts were used. The genus and species were not defined.
In PMID: 12190662 sixty-six patients were distributed into three groups based on their age and clinical data. Nine of the 10 patients sensitized to barley had RAST class 4 to cereal. Barley extracts were used. The genus and species were not defined.
In PMID: 15853958 eighteen wheat-allergic children were evaluated for reactions to other cereals. Barley was SPT positive in eight (44%) of the patients. Positive serum-specific IgE was seen in 16 patients (88.8%) for barley. There was a correlation between wheat and barley-specific IgE concentration ($r=0.773$, $p<0.01$). Ten patients (55.5%) had positive barley challenge tests.

Documents	PubMed Number	Author	Year Published
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
138_ Clin Exp Allergy 32-1216.pdf	12190662	Armentia, A.	2002
138_ Ped Allerg Immun 16-262.pdf	15853958	Pourpak, Z.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **139 - Food - Plant Source, Basil Ocium basilicum**

Recommended Common Name Basil, Sweet

Recommended Scientific Name Ocimum basilicum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: basil and allergy; basil and allergen; Ocimum basilicum and allergen; Ocimum basilicum and allergy
Google: basil allergy; basil allergy adverse; basil allergen; basil allergen adverse; same search performed for (Ocium basilicum – misspelled) Ocimum basilicum

Nomenclature

According to ITIS, the correct spelling of Ocium basilicum is Ocimum basilicum. The common name is sweet basil and Ocimum americanum is listed as a synonym. The Ocimum genus is found in the Lamiaceae family.

Parent Product

139 - Food - Plant Source, Basil Ocium basilicum

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **140 - Food - Plant Source, Bay Leaves Laurus nobilis**

Recommended Common Name Bay, Sweet

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: bay leaves and allergy; bay leaf and allergen; bay leaf and allergy; Laurus nobilis and allergy; Laurus nobilis and allergen
Google: bay leaves allergy; bay leaves allergy adverse; bay leaves allergen; bay leaves allergen adverse; same search performed for Laurus nobilis

Nomenclature

According to ITIS, the scientific name, Laurus nobilis, is correct and current. The common name is sweet bay. The Laurus genus is found in the Lauraceae family. According to Wikipedia, there are three kinds of bay leaf: Mediterranean bay leaf (Laurus nobilis), California bay leaf (Umbellularia californica), and Indian bay leaf (Cinnamomum tejpata).

Parent Product

140 - Food - Plant Source, Bay Leaves Laurus nobilis

Published Data

One paper (PMID: 8899117) reported a case of occupational asthma induced by bay leaf and proved by specific inhalation challenge. SPT to bay leaf was positive. The extracts for SPT were prepared by suspending the spice in saline solution. No Genus or species name was mentioned.

Documents	PubMed Number	Author	Year Published
140_ allergy 51-647.pdf	8899117	Lemière, C.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **141 - Food - Plant Source, Bean, Lima Phaseolus limensis**

Recommended Common Name Bean, Sieva

Recommended Scientific Name Phaseolus lunatus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: lima bean and allergy; lima bean and allergen; Phaseolus limensis and allergy; Phaseoulus limensis and allergen; Phaseoulus and allergy; Phaseoulus and allergen
Google: lima bean allergy; lima bean allergy adverse; lima bean allergen; lima bean allergen adverse; the same search performed for Phaseoulus limensis

Nomenclature

According to ITIS, the current sceitific name for Phaseolus limensis is Phaseolus lunatus. The common name is sieva bean. Synonyms are: Phaseolus inamoenus, P. limensis, P. lunatus var. lunonanus, and P. tunkinensis. The Phaseolus genus is found in the Fabaceae family.

Parent Product

142 - Food - Plant Source, Bean, Lima Phaseolus lunatus

Related Products

141 - Food - Plant Source, Bean, Lima Phaseolus limensis

Published Data

One paper (PMID: 2918186) was found diagnosing lima bean allergy using skin prick test. Thirteen children had positive skin prick test to lima bean extract, but none of the children had positive oral challenge reaction to lima bean. Neither genus nor species of lima bean was described.

Documents	PubMed Number	Author	Year Published
141_ J Allergy Clin Immunol 83-435.pdf	2918186	Bernhisel-Broadbent,	1989

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **142 - Food - Plant Source, Bean, Lima Phaseolus lunatus**

Recommended Common Name Bean, Sieva

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: lima bean and allergy; lima bean and allergen; Phaseolus lunatus and allergy; Phaseoulus lunatus and allergen; Phaseoulus and allergy; Phaseoulus and allergen
Google: lima bean allergy; lima bean allergy adverse; lima bean allergen; lima bean allergen adverse; the same search performed for Phaseoulus lunatus

Nomenclature

According to ITIS, the sceitific name, Phaseolus lunatus, is correct and current. The common name is sieva bean. Synonyms are: Phaseolus inamoenus, P. limensis, P. lunatus var. lunonanus, and P. tunkinensis. The Phaseolus genus is found in the Fabaceae family.

Parent Product

142 - Food - Plant Source, Bean, Lima Phaseolus lunatus

Related Products

141 - Food - Plant Source, Bean, Lima Phaseolus limensis

Published Data

One paper (PMID: 2918186) was found diagnosing lima bean allergy using skin prick test. Thirteen children had positive skin prick test to lima bean extract, but none of the children had positive oral challenge reaction to lima bean. Neither genus nor species of lima bean was described.
In PMID: 17614972, of 20 patients who had elevated IgE levels to P. juliflora (mesquite pollen), four showed elevated IgE levels against P. lunatus but none had a positive skin test to P. lunatus. These four also had higher IL-4 levels than normal controls. Of note is that none of these subjects had any food allergy induced symptoms reported in the paper. This study supports immunochemical cross-reaction between P. juliflora and P. lunatua but does not support any clinical significance.

Documents	PubMed Number	Author	Year Published
141_ J Allergy Clin Immunol 83-435.pdf	2918186	Bernhisel-Broadbent,	1989
142_ Clin Exp Immuno 149-517.pdf	17614972	Dhyani, A.	2007

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **143 - Food - Plant Source, Bean, Mung Vigna radiata**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: mung bean and allergen; mung bean and allergy; vigna radiata and allergy; vigna radiata and allergen; vigna and allergy; vigna and allergen
Google: mung bean allergy; mung bean allergy adverse; mung bean allergen; mung bean allergen adverse; same search performed for Vigna radiata

Nomenclature

According to ITIS, the scientific name, Vigna radiata, is correct and current. The common name is listed as mung bean. Two varieties are listed; V. radiata var. radiata and V. radiata var. sublobata. The Vigna genus is found in the Fabaceae family.

Parent Product

143 - Food - Plant Source, Bean, Mung Vigna radiata

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **144 - Food - Plant Source, Bean, Navy Phaseolus vulgaris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: navy bean and allergy; navy bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vlugaris

Nomenclature

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm, Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

Parent Product

144 - Food - Plant Source, Bean, Navy Phaseolus vulgaris

Published Data

One case report (PMID: 16176404) found a patient was allergic to leupine. SPT showed positive reactions to other legumes, including peanut and navy bean extract. But the in-vitro cross-reactivity with other legumes was only relevant with peanut because all the other boiled legumes were torelated in oral challenge. The inconsistancy between SPT and oral food challenge could be that the legume extract was made from uncooked beans.
Another case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive.

Documents	PubMed Number	Author	Year Published
144_ pediatr allergy immunol 16-542.pdf	16176404	Moreno-Ancillo, A.	2005
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **145 - Food - Plant Source, Bean, Pinto Phaseolus vulgaris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pinto bean and allergy; pinto bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vlugaris

Nomenclature

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm, Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

Parent Product

145 - Food - Plant Source, Bean, Pinto Phaseolus vulgaris

Published Data

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **146 - Food - Plant Source, Bean, Red Kidney Phaseolus vulgaris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: kidney bean and allergy; kidney bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vlugaris

Nomenclature

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm, Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

Parent Product

146 - Food - Plant Source, Bean, Red Kidney Phaseolus vulgaris

Published Data

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **147 - Food - Plant Source, Bean, String Green Phaseolus vulgaris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: string bean and allergy; string bean and allergen; green bean and allergy; green bean and allergen and skin prick; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vlugaris

Nomenclature

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm, Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

Parent Product

147 - Food - Plant Source, Bean, String Green Phaseolus vulgaris

Published Data

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **148 - Food - Plant Source, Bean, White Kidney Phaseoulus spp**

Recommended Scientific Name Phaseolus vulgaris

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: white kidney bean and allergy; white kidney bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vlugaris

Nomenclature

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm, Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

Parent Product

148 - Food - Plant Source, Bean, White Kidney Phaseoulus spp

Published Data

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.
One case report was found on using this product in SPT to diagnose white kidney bean allergy. Results of specific IgE assayed by CAP and oral food challenge are consistent with positive SPT result.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **149 - Food - Plant Source, Bean, Yellow Wax Phaseolus vulgaris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: yellow bean and allergy; yellow bean and allergen; yellow wax bean and allergy; yellow wax bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vlugaris

Nomenclature

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm, Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

Parent Product

149 - Food - Plant Source, Bean, Yellow Wax Phaseolus vulgaris

Published Data

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **150 - Food - Plant Source, Beet Beta vulgaris**

Recommended Common Name Beet, Common

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: beet and allergy; beet and allergen; Beta vulgaris and allergy; Beta vulgaris and allergen
Google: beet allergy; beet allergy adverse; beet allergen; beet allergen adverse; same search performed for Beta vulgaris

Nomenclature

According to ITIS, the scientific name, Beta vulgaris, is correct and current. Common name is listed as common beet. Synonyms are listed as Beta maritime and B. vulgaris ssp. maritime. There are two subspecies listed: B. vulgaris ssp. cicia and macroscarpa. The Beta genus is found in the Chenopodiaceae family.

Parent Product

150 - Food - Plant Source, Beet Beta vulgaris

Published Data

One case report (PMID: 1600801) of a patient with occupational asthma in the beet sugar processing industry. Symptomatology, skin testing, immunologic testing, and specific bronchoprovocation testing indicate exposure to moldy sugar beet pulp was the cause of the patient's occupational asthma. Intradermal reaction was 3+ to ground up sugar beet pulp pellets. No commercial available allergenic extract was used.

Documents	PubMed Number	Author	Year Published
150_ Chest 101-1720.pdf	1600801	Rosenman, K.D.	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **151 - Food - Plant Source, Black Eyed Pea, Vigna unguiculata**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: black eyed pea and allergy; black eyed pea and allergen; Vigna unguiculata and allergy; Vigna unguiculata and allergen
Google: black eyed pea allergy; black eyed pea allergy adverse; black eyed pea allergen; black eyed pea allergen adverse; same search performed for Vigna unguiculata

Nomenclature

According to ITIS, the scientific name, Vigna unguniculata, is correct and current. The common name is blackeyed pea. Synonym is Vigna sinensis. There are four subspecies of Vigna unguiculata listed: cylindrical, dekindtiana, sesquipedalis, and unguiculata. The Vigna genus is found in the Fabaceae family.

Parent Product

151 - Food - Plant Source, Black Eyed Pea, Vigna unguiculata

Published Data

Based on the FDA Poisonous Plant Database, rats that were fed cowpeas (Vigna unguiculata) had enlarged pancreases. The common name between this product and the product listed in the FDA Poisonous Plant Database are different. ITIS does not listed cowpea as a subspecies.
PMID: 9470014 describes a study in which 163 patients were skin prick tested with a series of food extracts including black-eyed pea. Thirteen patients had a positive response to this extract. Nine people were challenged with black eyed pea and one had a positive response.

Documents	PubMed Number	Author	Year Published
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **152 - Food - Plant Source, Black, English Juglans nigra**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: black walnut and allergy; Juglans nigra and allergen; Juglans nigra and allergy
Google: black walnut allergy; black walnut allergy adverse; black walnut allergen; black walnut allergen adverse; same search performed for Juglans nigra

Nomenclature

According to PLANTS database, the genus Juglans contains 12 species of walnuts. They are separated into 4 taxonomic sections: Dioscaryon (English Walnut; J. regia), Rhysocaryon (Black Walunt; J. nigra, J. californica, J. hindsii, J. major, and J. microcarpo), Cardiocaryon (Asian Butternut) and Trachycaryon (American Butternut; J. cinerea). According to ITIS, the scientific name, Julans nigra, is correct and current. The common name is black walnut. Wallia nigra is listed as a synonym. The Juglans genus is found in the Juglandaceae family.

Parent Product

318 - Food - Plant Source, Walnut, Black Juglans nigra

Related Products

152 - Food - Plant Source, Black, English Juglans nigra

Published Data

Walnut is an important allergen. In the US between 1994 and 1999 3 of the 32 anaphylaxic-related deaths from food were caused by walnuts. Walnut allergy has been reported to be from 0.2 - 0.7% of the U.S. population.
There are two species of walnut that are currently used for extracts. PMID 15479274 shows extensive cross-reactivity between these two species of walnut (J. regia and J. nigra), as well as between J. nigra and J. californica, and between J. nigra and and J. cinerea. The rest of the papers reviewed do not mention the species or type of walnut used. Based on PMID 15479274, all papers were used to support both walnut extracts.
Four of the papers (PMID 14989401, 10582717, 14767457, and 15480333) are case reports of individuals that had allergic reactions after being exposed to walnuts or walnut-containg foods. All four paper included patients with positive reactions to skin prick tests with walnut extracts. The fifth paper (PMID 16095141) used patient sera to do in vitro studies. In order to be included in this study, all subjects must have positive skin prick tests with commercial walnut extracts and a positive oral challenge to walnuts. There were 46 such patients.

Documents	PubMed Number	Author	Year Published
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
318_ J Allergy Clin Immunol113 - 358.pdf	14767457	Asero, R.	2004
318_ J Allergy Clin Immunol 114 - 908.pdf	15480333	Pastorello, E.A.	2004
318_ Clin Exp Allergy 34 - 1583.pdf	15479274	Comstock, S.S.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **153 - Food - Plant Source, Blackberry Rubus alleghaniensis**

Recommended Common Name Blackberry, Allegheny

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: blackberry and allergy; blackberry and allergen; rubus and allergy; rubus and allergen
Google: blackberry allergy; blackberry allergy adverse; blackberry allergen; blackberry allergen adverse; same search performed for Rubus allegheniensis

Nomenclature

According to ITIS, the scientific name, Rubus alleghaniensis, is correct and current. The common name is Allegheny blackberry. Two varieties of Rubus allegheniensis are listed: allegheniensis and gravesii. The Rubus genus is found in the Rosaceae family.

Parent Product

153 - Food - Plant Source, Blackberry Rubus alleghaniensis

Published Data

PMID 11476463: Case report of a subject who experienced urticaria and throat swelling after eating blackberries, strawberries, and raspberries. He had a positive SPT. Oral-challenge testing was not performed.

Documents	PubMed Number	Author	Year Published
153_ Ann Allergy Asthma Immunol 87-54.pdf	11476463	Armentia, A.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **154 - Food - Plant Source, Blackberry Rubus macropetalus**

Recommended Common Name Blackberry, California

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: blackberry and allergy; blackberry and allergen; rubus and allergy; rubus and allergen
Google: Google: blackberry allergy; blackberry allergy adverse; blackberry allergen; blackberry allergen adverse; same search performed for Rubus macropetalus

Nomenclature

According to ITIS, the current name of Rubus macropetalus is correct and current. The common name is California blackberry. Two synonyms are listed: Rubus macropetalus and Rubus ursinus var. macropetalus. The Rubus genus is found in the Rosaceae family.

Parent Product

154 - Food - Plant Source, Blackberry Rubus macropetalus

Published Data

PMID 11476463: Case report of a subject who experienced urticaria and throat swelling after eating blackberries, strawberries, and raspberries. He had a positive SPT. Oral-challenge testing was not performed.

Documents	PubMed Number	Author	Year Published
153_ Ann Allergy Asthma Immunol 87-54.pdf	11476463	Armentia, A.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **155 - Food - Plant Source, Blueberry Vaccinium canadense**

Recommended Common Name Huckleberry, Velvetleaf

Recommended Scientific Name Vaccinium myrtilloides

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: blueberry and allergy; blueberry and allergen; Vaccinium and allergy; Vaccinium and allergen
Google: blueberry allergy; blueberry allergy adverse; blueberry allergen; blueberry allergen adverse; the same search was performed for Vaccinium canadense

Nomenclature

According to ITIS, the current name of Vaccinium canadense is Vaccinium myrtilloides. Additional synonyms are Cyanococcus Canadensis and Vaccinium angustifolium var. myrtilloides. The common name is listed as velvetleaf huckleberry. The Vaccinium genus is found in the Ericaceae family.

Parent Product

155 - Food - Plant Source, Blueberry Vaccinium canadense

Published Data

No data were found on Vaccinium canadense or Vaccinium myrtilloides.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **156 - Food - Plant Source, Blueberry Vaccinium myrtilloides**

Recommended Common Name Huckleberry, Velvetleaf

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: blueberry and allergy; blueberry and allergen; Vaccinium and allergy; Vaccinium and allergen
Google: blueberry allergy; blueberry allergy adverse; blueberry allergen; blueberry allergen adverse; the same search was performed for Vaccinium myrtilloides

Nomenclature

According to ITIS, the scientific name, Vaccinium myrtilloides, is correct and current. Synonyms are Cyanococcus Canadensis, Vaccinium canadense, and Vaccinium angustifolium var. myrtilloides. The common name is listed as velvetleaf huckleberry. The Vaccinium genus is found in the Ericaceae family.

Parent Product

156 - Food - Plant Source, Blueberry Vaccinium myrtilloides

Published Data

No data were found on Vaccinium canadense or Vaccinium myrtilloides.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **157 - Food - Plant Source, Boysenberry Rubus spp.**

Recommended Scientific Name Rubus, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: boysenberry; rubus allergy; rubus allergen
Google: boysenberry allergy; boysenberry allergy adverse; boysenberry allergen; boysenberry allergen adverse; same search performed for rubus

Nomenclature

According to ITIS, there are nine varieties and over 200 species of Rubus listed. A boysenberry is a cross among a blackberry, red raspberry and loganberry (Wikipedia). ITIS does not list 'boysenberry'.

Parent Product

157 - Food - Plant Source, Boysenberry Rubus spp.

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **158 - Food - Plant Source, Brazil Nut Bertholletia excelsa**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: brazil nut and allergy; Bertholletia excelsa
Google: brazil nut allergy; brazil nut allergy adverse; brazil nut allergen; brazil nut allergen adverse; same search performed for Bertholletia excelsa

Nomenclature

According to ITIS, the scientific name, Bertholletia excelsa, is correct and current. The common name is listed as brazilnut. The Bertholletia genus is found in the Lecythidaceae family. The Brazil Nut is a South American tree Bertholletia excelsa in the family Lecythidaceae. It is the only species in the genus Bertholletia, according to ITIS and USDA PLANTS database.

Parent Product

158 - Food - Plant Source, Brazil Nut Bertholletia excelsa

Published Data

PMID 16433861: Brazil Nut allergy diagnosis, combination of history, SPT and serum-specific IgE was adquate in achieving a diagnosis in the majority (77%) patients with suspected Brazil nut allergy. However, a doubtful history with SPT between 1 and 5 mm, or a serum-specific IgE less than 3.5 KU/L may require an oral challege to help determine the risk of a Brazil nut allergic reation.
PMIDs. 16176398, 12911776, and 14989401 use Brazil nut extracts to diagnosis nut allergies.

Documents	PubMed Number	Author	Year Published
124_ Pediatr Allergy Immunol 16-507.pdf	16176398	Clark, A.T.	2005
124_ Clin Exp Allergy 33-1041.pdf	12911776	Clark, A.T.	2003
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
158_ Clin Exp Allergy 36-226.pdf	16433861	Ridout, S.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **159 - Food - Plant Source, Broccoli Brassica botrytis (or oleracea var. botrytis)**

Recommended Scientific Name Brassica oleracea var. botrytis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Broccoli and allergy and skin; Broccoli and allergen and skin; Brassica oleracea and allergy; Brassica oleracea and allergen; Brassica and allergy and skin; Brassica and allergen and skin
Google: broccoli allergy; broccoli allergy adverse; broccoli allergen; broccoli allergen adverse; same search performed for Brassica botrytis, Brassica oleracea

Nomenclature

According to ITIS, the sceintific name, Brassica oleracea var. botrytis, is correct and current. Brassica botrytis is not listed in ITIS. The common name is listed as broccoli. The Brassica genus is found in the Brassicaceae family.

Parent Product

159 - Food - Plant Source, Broccoli Brassica botrytis (or oleracea var. botrytis)

Published Data

PMID 16751008: Seventeen cabbage-hypersensitive patients were included in this study. All had positive SPT with fresh cabbage (Brassica oleracea var. capitata). Five patients had anaphylactic reactions when eating cabbage. Another nine patients underwent DBPCFC with five of them having positive challenge results. Ten patients were also allergic to cauliflower, with all of them showing positive SPT and specific IgE to this food. The source of the cauliflower extract was not mentioned. Showed crossreactivity between cabbage allergen Bra O 3 and broccoli (73 %) and cauliflower (57 %) in CAP-inhibition assay.

Documents	PubMed Number	Author	Year Published
162_ J Allergy Cli immunol 117-1423.pdf	16751008	Palacín, A.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **160 - Food - Plant Source, Brussel Sprouts Brassica gemmifera (or oleracea var. gemmifera)**

Recommended Scientific Name Brassica oleracea var. gemmifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Brussel Sprouts and allergy; Brussel Sprouts and allergen; brassica gemmifera
Google: Brussel sprouts allergy; Brussel sprouts allergy adverse; Brussel sprouts allergen; Brussel sprouts allergen adverse; same search performed for brassica gemmifera, Brassica oleracea

Nomenclature

According to ITIS, he sceintific name, Brassica oleracea var. gemmifera, is correct and current. Brassica gennifera is not listed in ITIS. The common name is listed as brussel sprouts. The Brassica genus is found in the Brassicaceae family.

Parent Product

160 - Food - Plant Source, Brussel Sprouts Brassica gemmifera (or oleracea var. gemmifera)

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: 161 - Food - Plant Source, Buckwheat Fagopyrum esculentum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: buckwheat and allergy and skin; Fagopyrum esculentum;
Google: buckwheat allergy; buckwheat allergy adverse; buckwheat allergen; buckwheat allergen adverse; same search Fagopyrum esculentum

Nomenclature

According to ITIS, the scientific name, Fagopyrum esculentum, is correct and current. Common names are listed as buckwheat, common buckwheat, and fagopyrum. Synonyms are listed as Fagopyrum esculentum: F. fagopyrum, F sagittatum, F. vulgare, Polygonum fagopyrum. The Fagopyrum genus is found in the Polygonaceae family.

Parent Product

161 - Food - Plant Source, Buckwheat Fagopyrum esculentum

Published Data

PMID 14616108: In one paper, forty-four children with positive SPT to commertial buckwheat (BW) (Fagopyrum esculentum) extract were studied. Twenty-eight children showed symptoms after BW open food challenge and sixteen were asymptomatic. BW-provocation reactors had significantly longer levels of skin wheal diameter than nonreactors. If the optimal skin wheal diameter was set at 7 mm, then the sensitivity and specificity were 62.5 and 100 %, respectively.
PMID 12669902: This case report describes a patient who developed asthma and worsening allergic rhinitis after exposure to a buckwheat pillow. Patient had a 4+ skin prick test response to buckwheat (F. exculemum) extract and a class 4 (strongly positive) response to ImmunoCAP test for buckwheat-specific IgE.
PMID 1510289: This case report describes a patient who developed urticaria and hypotension after ingestion of buckwheat crepes. Skin testing by the prick technique revealed 3+ positive reaction to buckwheat (F. schulentum) extract. RAST for anti-buckwheat IgE was strongly positive. F. schulentum was not found in ITIS.

Documents	PubMed Number	Author	Year Published
161_ Allergy 58-1308.pdf	14616108	Sohn, M.H.	2003
161_ Ann Allergy Asthma Immunol 90-355.pdf	12669902	Fritz, S.B.	2003
161_ Ann Allergy 69-439.pdf	1510289	Davidson, A.E.	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **162 - Food - Plant Source, Cabbage Brassica capitata (or oleracea var. capitata)**

Recommended Scientific Name Brassica oleracea

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Brassica oleracea and allergy; Brassica oleracea and allergen; Brassica and allergy and skin; Brassica and allergen and skin; cabbage and allergy and skin; cabbage and allergen and skin
Google: cabbage allergy; cabbage allergy adverse; cabbage allergen; cabbage allergen adverse; same search performed for Brassica capitata and Brassica oleracea

Nomenclature

According to ITIS, accepted name of Brassica oleracea var. capitata is Brassica oleracea. Brassica capitata is not listed in ITIS. The common name is listed as cabbage. An additional synonym is Brassica oleracea var. acephala. Five varieties of B. oleracea are listed. The Brassica genus is found in the Brassicaceae family.

Parent Product

162 - Food - Plant Source, Cabbage Brassica capitata (or oleracea var. capitata)

Published Data

PMID 3565859: An atopic female had facial and throat swelling after she ingested coleslaw on two separate occations. SPT with commercial extract showed a 4+ reaction to cabbage (Brassica), mustard, and cauliflower. A 3+ reaction to broccoli. SPT with undiluted raw cabbage extract gave a 3+ reaction compared to a 4+ reaction with the commercial cabbage extract. A RAST using cabbage extract was positive for specific IgE Ab.
PMID 16751008: Seventeen cabbage-hypersensitive patients were included in this study. All had positive SPT with fresh cabbage (Brassica oleracea var. capitata) and crude cabbage extract. Five patients had anaphylactic reactions when eating cabbage. Another nine patients underwent DBPCFC with five of them having positive challenge results. Ten patients were also allergic to cauliflower, with all of them showing positive SPT and specific IgE to this food. The sourse of the cauliflower extract was not mentioned. This paper also showed crossreactivity between cabbage allergen Bra O 3 and broccoli (73 %) and cauliflower (57 %) in CAP-inhibition assay.

Documents	PubMed Number	Author	Year Published
162_ J Allergy Cli immunol 117-1423.pdf	16751008	Palacín, A.	2006
162_ Ann Allergy 58-248.pdf	3565859	Blaiss, M.S.	1987

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **163 - Food - Plant Source, Cabbage, Chinese (Petrai) Brassica pekinensis**

Recommended Common Name Mustard, Field

Recommended Scientific Name Brassica rapa var. amplexicaulis

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: chinese cabbage and allergy; chinese cabbage and allergen; pak choi and allergen; pak choi and allergy; Bok Choi; brassica pekinensis allergy
Google: chinese allergy; chinese allergy adverse; chinese allergen; chinese allergen adverse; same search results performed for brassica pekinensis

Nomenclature

According to ITIS, the current name of Brassica pekinensis is Brassica rapa var. amplexicaulis. An additional synonym is B. pe-tsai. Common names are listed as field mustard, rape, and rape mustard. The Brassica genus is found in the Brassicaceae family.

Parent Product

163 - Food - Plant Source, Cabbage, Chinese (Petrai) Brassica pekinensis

Published Data

There are no papers on this product.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **164 - Food - Plant Source, Cacao bean Theobroma cacao**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Cacao bean and allergy; Cacao bean and allergen; Theobroma cacao and allergy and skin; Theobroma cacao and allergen
Google: Cacao bean allergy; Cacao bean allergy adverse; Cacao bean allergen; Cacao bean allergen adverse; same search results performed for Theobroma cacao

Nomenclature

According to ITIS, the scientific name, Theobroma cacao, is correct and current. The common name is cacao. There are two subspecies listed: T. cacao ssp. cacao and sphaerocarpum. The Theobroma genus is found in the Sterculiaceae family. Theobroma cacao is the only species for cacao bean (PLANTS database and wikipedia).

Parent Product

164 - Food - Plant Source, Cacao bean Theobroma cacao

Related Products

184 - Food - Plant Source, Cocoa Bean Theobroma cacao

Published Data

PMID 5918258: One was a 1966 paper in which 18 of 25 children tested intracutaneously with cocoa extract gave a positive reaction. All children were fed chocolate under observation of the author and each gave an allergic response.
PMID 9265998: Extracts of cacao bean were roasted, the sheath was removed and the internal portion was ground to powder. Both preparations induced a wheal response from the allergic patient, but not from 10 non-allergic controls. The patient was challenged bronchially with powder extract and experiences an immeditae 12 % decrease in his FEV1.

Documents	PubMed Number	Author	Year Published
164_ Ann Allergy 24-484.pdf	5918258	Fries, J.H	1966
164_ Allergy 52-778.pdf	9265998	Perfetti, L.	1997

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **165 - Food - Plant Source, Cantalope (Muskmelon) Cucumis melo**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: cantalope and allergy; catalope and allergen; cucumis melon and allergy; cucumis melon and allergen
Google: cantalope allergy; cantalope allergy adverse; cantalope allergen; cantalope allergen adverse; same search results performed for cantaloupe, cucmis melon

Nomenclature

According to ITIS, the scientific name, Cucumis melo, is correct and current. The common name is listed as cantaloupe and a synonym is listed as Cucumis melo var. dudaim. The Cucumis genus is found in the Cucurbitaceae family. Cantaloupe (also "cantaloup") refers to two different varieties of muskmelon, Cucumis melo. The European cantaloupe is Cucumis melo cantalupensis. The North American cantaloupe, common in the United States and in some parts of Canada, is Cucumis melo reticulatus (Wikipedia).

Parent Product

165 - Food - Plant Source, Cantalope (Muskmelon) Cucumis melo

Published Data

PMID 14533664: One paper used three different extracts on over 60 people. They showed a wide range of positive results: 12%, 19% or 90% of melon allergic patients responded positively to prick tests. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

Documents	PubMed Number	Author	Year Published
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **166 - Food - Plant Source, Caraway Seed Carum carvi**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: caraway seed extract
ISI: caraway and allergy
Google: caraway allergy

Nomenclature

According to ITIS, the scientific name, Carum carvi, is correct and current. Common names are listed as caraway and wild caraway. Carum velenovskyi is listed as a synonym. The Carum genus is found in the Apiaceae family.

Parent Product

166 - Food - Plant Source, Caraway Seed Carum carvi

Published Data

PMID 12027075: In one paper with a single person with allergy to anise and cinnamon also had a strong skin test response to caraway.
PMID 7552932: Another paper described a study of skin-prick testing several individuals with various herb extracts. 15 patients were skin prick tested with caraway extract, 10 of which were positive to a 10% extract.
PMID 10380793: A man had an allergic reaction to dill. He had a positive skin prick test to dill and caraway extracts (among others).

Documents	PubMed Number	Author	Year Published
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
198_ Allergy 54 - 531.pdf	10380793	Freeman, G.L.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **167 - Food - Plant Source, Carob Ceratonia siliqua**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: carob allergy
ISI carob allergy
Google: carob allergy

Nomenclature

According to ITIS, the scientific name, Ceratonia siliqua, is correct and current. The common name is listed as St. John's bread. The Ceratonia genus is found in the Fabaceae family.

Parent Product

167 - Food - Plant Source, Carob Ceratonia siliqua

Published Data

No supportive data were identified.

Documents	PubMed Number	Author	Year Published
167_ J Allergy Clin Immunol 90 - 1008.pdf	1460192	van der Brempt, X.	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **168 - Food - Plant Source, Carrot Daucus carota**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: carrot allergy
Google: carrot allergy; carrot allergy adverse; carrot allergen; carrot allergen adverse; same search results performed for Daucus carota

Nomenclature

According to ITIS, the scientific name, Daucus carota, is correct and current. Common names are listed as bird's nest, Queen Anne's lace, and wild carrot. Two subspecies are listed: D. carota ssp. carota and sativus. The Daucus genus is found in the Apiaceae family.

Parent Product

168 - Food - Plant Source, Carrot Daucus carota

Published Data

Several papers were found on carrot allergy. Two were particularly useful. In one paper (PMID 15461613) a woman had an anaphylactic reaction to carrot juice. She was then skin prick tested with four different carrot extracts: boiled dialysed, boiled nondialyzed, raw dialyzed and raw nondialyzed carrot extracts. Positive skin prick tests were only obtained from raw nondialyzed extracts. Conjunctival challenges were performed with the same extracts, and again positive responses were only obtained from raw nondialyzed extracts. PMID 11496252: In a second paper 26 patients with carrot allergy were studied. DBPCFC was performed on all 26. Twenty had a positive reaction. Nineteen of those with a positive reaction were then skin prick tested with carrot extract. Five gave a positive response. (all were positive by prick test with raw native carrot)

Documents	PubMed Number	Author	Year Published
168_ Allergy 59 - 1239.pdf	15461613	Fernández-Rivas, M.	2004
168_ J Allergy Clin Immunol 108 - 301.pdf	11496252	Ballmer-Weber, B.K.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **169 - Food - Plant Source, Cashew Nut Anacardium occidentale**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: cashew allergy
Google: cashew allergy; cashew allergy adverse; cashew allergen; cashew allergen adverse; same search results performed for Anacardium occidentale

Nomenclature

According to ITIS, the scientific name, Anacardium occidentale, is correct and current. The common name is listed as cashew. The Anacardium genus is found in the Anacardiaceae family.

Parent Product

169 - Food - Plant Source, Cashew Nut Anacardium occidentale

Published Data

In PMID 3950255 a panel of people with idiopathic anaphylaxis were skin prick tested with a variety of food extracts. Two people had a positive skin prick test with cashew extract, one of which had a positive clinical correlation (meaning either anaphylaxis after challenge, or no anaphylaxis after removal of cashew from their diet).
In PMID 16095141 a cross-reactivity paper showed moderate to strong cross-reactivity between cashew nut, Brazil nut, pistachio and almond by IgE ELISA inhibition assay. Almond and Brazil nut were both approved based on clinical data.

Documents	PubMed Number	Author	Year Published
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
218_ J Allergy Clin Immunol 77-516.pdf	3950255	Stricker, W.E.	1986

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **170 - Food - Plant Source, Cauliflower Brassica oleracea (or oleracea var. botrytis)**

Recommended Scientific Name Brassica oleracea var. botrytis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: cauliflower and allergy and skin; cauliflower and allergen and skin
Google: cauliflower allergy; cauliflower allergy adverse; cauliflower allergen; cauliflower allergen adverse; same search results performed for Brassica oleracea

Nomenclature

According to ITIS, the scientific name, Brassica oleracea var. botrytis, is correct and current. The common name is listed as broccoli. The common name of 'cauliflower' was not listed in ITIS or PLANTS database. According to Wikipedia, the correct name should be Brassica oleracea var. botrytis. The Brassica genus is found in the Brassicaceae family.

Parent Product

170 - Food - Plant Source, Cauliflower Brassica oleracea (or oleracea var. botrytis)

Published Data

In PMID 16751008, seventeen cabbage-hypersensitive patients with positive SPT with fresh cabbage (Brassica oleracea var. capitata) were studied. Five patients had anaphylactic reactions when eating cabbage. Another nine patients underwent DBPCFC with five of them having positive challenge results. Ten patients were also allergic to cauliflower, with all of them showing positive SPT and specific IgE to this food.

Documents	PubMed Number	Author	Year Published
162_ J Allergy Cli immunol 117-1423.pdf	16751008	Palacín, A.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **171 - Food - Plant Source, Cayenne Pepper Capsicum annum**

Recommended Scientific Name Capsicum annuum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: pepper allergy English; red pepper allergy; Capsicum annuum allergy; cayenne allergy cayenne allergy
Google: cayenne pepper allergy; cayenne pepper allergy adverse; cayenne pepper allergen; cayenne pepper allergen adverse; same search results performed for Capsicum annum

Nomenclature

According to ITIS, the correct spelling of Capsicum annum is Capsicum annuum. The common name is cayenne pepper. Two varieties are listed: C. annuum var. annuum and glabriusculum. The Capsicum genus is found in the Solanaceae family.

Parent Product

171 - Food - Plant Source, Cayenne Pepper Capsicum annum

Related Products

268 - Food - Plant Source, Pepper, Red or Cayenne Capsicum annuum

Published Data

One paper (PMID: 7552932) describes a study that set out to compare reactivity of prick tests with native spices to skin prick tests with spice extracts. 5 of 10 people that responded strongly to native cayenne also responded to cayenne extract.
In another paper (PMID: 2719178) IgE mediated spice allergy was investigated using skin prick tests with spice extracts. 20 of 41 people tested with cayenne extract had a positive response.

Documents	PubMed Number	Author	Year Published
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
263_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **172 - Food - Plant Source, Celery Apium graveolens (or graveolens var. dulce)**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: celery allergy; Apium graveolens allergy
Google: celery allergy; celery allergy adverse; celery allergen; celery allergen adverse; same search results performed for Apium graveolens

Nomenclature

According to ITIS, the scientific names Apium graveolens and Apium graveolens var. dulce are both correct and current for wild celery. Additional synonyms of Apium graveolens var. dulce are Apium dulce and Celeri graveolens. The Apium genus is found in the Apiaceae family.

Parent Product

172 - Food - Plant Source, Celery Apium graveolens (or graveolens var. dulce)

Published Data

There is one paper (PMID: 8328718) that shows extensive cross-reactivity between celery, carrot, cucumber, and watermelon, but not nearly as much with mountain cedar.
In PMID: 10795656 a woman with OAS to cucumber and fennel was treated with pollen extract for immunotherapy. Her SPT to celery extract decreased in the 'after' immunotherapy compared to her 'before'.
PMID: 15180768: Patient without an atopy history, developed rhinoconjunctivitis symptoms, dyspnea and general malaise, after inhaling steam of cooking green beans, potato and carrot. Patient was skin tested (prick-prick) with fresh and extracts from grean beans, parsley, celery, raw carrots, and cooked carrots. Positive prick to celery and carrots. IgE was tested by CAP system, carrot and celery 15.1 kU.

Documents	PubMed Number	Author	Year Published
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993
194_ Ann Allergy Asthma Immunol 84 - 460.pdf	10795656	Asero, R.	2000
172_ Allergy 59 -786.pdf	15180768	Agustìn-Ubide, M.P.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **173 - Food - Plant Source, Cherry Bing**

Recommended Common Name Cherry, Sweet

Recommended Scientific Name Prunus avium

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: bing cherry allergy
Google: bing cherry allergy; bing cherry allergy adverse; bing cherry allergen; bing cherry allergen adverse

Nomenclature

Bing Cherry is not found in ITIS or in PLANTS database. According to Wikipedia, the Bing cherry is a cultivar of Prunus avium. http://en.wikipedia.org/wiki/Cherry. According to ITIS, the scientific name, Prunus avium, has the common name of sweet cherry. A synonym is Cerasus avium. The Prunus genus is found in the Rosaceae family.

Parent Product

174 - Food - Plant Source, Cherry Prunus avium

Related Products

173 - Food - Plant Source, Cherry Bing

Published Data

PMID 7930303 supports skin test reactivity of cherry extract in fruit allergic subjects.

Documents	PubMed Number	Author	Year Published
129_ J Allergy Cli immunol 94-699.pdf	7930303	Pastorello, E.A.	1994

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **174 - Food - Plant Source, Cherry Prunus avium**

Recommended Common Name Cherry, Sweet

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: cherry allergy; Prunus avium allergy
ISI: cherry allergy
Google: cherry allergy; cherry allergy adverse; cherry allergen; cherry allergen adverse; same search results performed for Prunus avium

Nomenclature

According to ITIS, the scientific name, Prunus avium, is correct and current. The common name is sweet cherry. A synonym is Cerasus avium. The Prunus genus is found in the Rosaceae family.

Parent Product

174 - Food - Plant Source, Cherry Prunus avium

Related Products

173 - Food - Plant Source, Cherry Bing

Published Data

PMID 7930303 supports skin test reactivity of cherry extract in fruit allergic subjects.

Documents	PubMed Number	Author	Year Published
129_ J Allergy Cli immunol 94-699.pdf	7930303	Pastorello, E.A.	1994

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **175 - Food - Plant Source, Cherry Prunus sp.**

Recommended Scientific Name Prunus, (species to be specified)

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: cherry allergy; Prunus allergy
ISI: cherry allergy
Google: cherry allergy; cherry allergy adverse; cherry allergen; cherry allergen adverse; same search results performed for Prunus

Nomenclature

According to ITIS, there are move than 50 species and one subspecies within the Prunus genus. The Prunus genus is found in the Rosaceae family.

Parent Product

175 - Food - Plant Source, Cherry Prunus sp.

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **176 - Food - Plant Source, Chestnut Castanea dentata**

Recommended Common Name Chestnut, American

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: chestnut allergy
ISI: chestnut allergy
Google: Chestnut allergy; Chestnut allergy adverse; Chestnut allergen; Chestnut allergen adverse; same search results performed for Castanea dentata

Nomenclature

According to ITIS, the scientific name Castanea dentata, is correct and current. Common name is listed as American chestnut. Synonym is listed as Castanea americana. The Castanea genus is found in the Fagaceae family.

Parent Product

176 - Food - Plant Source, Chestnut Castanea dentata

Published Data

No published data were found for Castanea dentata allergy.

Documents	PubMed Number	Author	Year Published
135_ J Allergy Cli immunol 103-507.pdf	10069887	Blanco, C.	1999
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
176_ Ann Allergy Asthma Immunol 76 - 37.pdf	8564626	Antico, A.	1996
176_ J Allergy Clin Immunol 118 - 705.pdf	16950291	Sánchez-Monge, R.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **177 - Food - Plant Source, Chick Pea Cicer arietinum**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: chickpea allergy; Cicer arietinum allergy
Google: chickpea allergy; chickpea allergy adverse; chickpea allergen; chickpea allergen adverse; same search results performed for Cicer arietinum

Nomenclature

According to ITIS, the scientific name, Cicer arietinum, is correct and current. The common name is listed as chick pea. The Cicer genus is found in the Fabaceae family.

Parent Product

177 - Food - Plant Source, Chick Pea Cicer arietinum

Published Data

PMID 11527247: 1400 people were screened for chickpea allergy. 59 had a history of chickpea allergy, 41 were skin prick positive, and 31 had a reaction when challenged (DBPCFC).
PMID 9062643: Reported on positive skin scratch test with chickpea.

Documents	PubMed Number	Author	Year Published
177_ Ann Allergy AsthmaImmunol 87 - 140.pdf	11527247	Patil, S.P.	2001
177_ Allergie et Immunologie 36 -366.pdf	--	Ferreira, M.B.	2004
177_ Allergy 52 - 114.pdf	9062643	Niphadkar, P.V.	1997

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **178 - Food - Plant Source, Chili Pepper**

Recommended Scientific Name Capsicum, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: chilli pepper allergy
Google: chilli allergy; chilli allergy adverse; chilli allergen; chilli allergen adverse

Nomenclature

ITIS does not list the common name of chili pepper. Chilli peppers could be within the genus Capsicum, with the common name of pepper. The Capsicum genus contains 3 species: C. annuum, C. chinense, or C. pubescens, C. baccatum; and two varieties: C. baccatum var. baccatum, C. baccatum var. pendulum. The Capsicum genus is found in the Solanaceae family.

Parent Product

178 - Food - Plant Source, Chili Pepper

Published Data

The specific product is uncertain because genus and species has not been identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **179 - Food - Plant Source, Chives Allium schoenoprasum**

Recommended Common Name Chive, Wild

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: chive(s) allergy
ISI: chives allergy
Google: chive allergy; chive allergy adverse; chive allergen; chive allergen adverse; same search results performed for Allium schoenoprasum

Nomenclature

According to ITIS, the scientific name, Allium schoenoprasum, is correct and current. The common name is listed as wild chive. Two varieties are listed: A. schoenoprassum var. schoenoprasum and A. schoenoprasum var. sibiricum. The Allium genus is found in the Liliaceae family.

Parent Product

179 - Food - Plant Source, Chives Allium schoenoprasum

Published Data

No papers were found about allergy to chives. Also, not a lot of information was found on leeks, which are more common and related to chives.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **180 - Food - Plant Source, Cinnamon Cinnamomum verum**

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: cinnamomum verum, cinnamomum zeylanicum, cinnamon allergy, cinnamon immunotherapy, cinnamon cross-reactivity
Google: cinnamomum verum, cinnamomum zeylanicum, cinnamon allergy, cinnamon immunotherapy, cinnamon cross-reactivity, cinnamomum verum, cinnamomum zeylanicum

Nomenclature

According to ITIS, the scientific name, Cinnamomum verum, is correct and current. The common name is cinnamon. Cinnamomum zeylanicum is listed as a synonym. The Cinnamomum genus is found in the Lauraceae family. True cinnamon, C. verum or zeylanicum, has been replaced almost entirely by the related Cinnamomum cassia.

Parent Product

180 - Food - Plant Source, Cinnamon Cinnamomum verum

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **181 - Food - Plant Source, Cinnamon Cinnamomum zeylanicum**

Recommended Scientific Name Cinnamomum verum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Cinnamon zeylanicum, C. verum, Cinnamon allergy, cinnamon allergy + immunotherapy, cinnamon cross-reactivity
Google: Same
AllAllergy.net: Cinnamon

Nomenclature

According to ITIS, the current name of Cinnamomum zeylanicum is Cinnamomum verum. The common name is cinnamon. The Cinnamomum genus is found in the Lauraceae family. True cinnamon, C. verum or zeylanicum, has been replaced almost entirely by the related Cinnamomum cassia.

Parent Product

181 - Food - Plant Source, Cinnamon Cinnamomum zeylanicum

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **182 - Food - Plant Source, Cloves Eugenia caryophyllata**

Recommended Scientific Name Syzygium aromaticum

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Eugenia caryphollata, Syzygium aromaticum, E. caryphyllata allergy, S. aromaticum allergy, clove allergy, clove allergy + diagnosis, eugenol allergy.
Google: clove allergy

Nomenclature

According to ITIS, the current name of Eugenia caryophyllata is Syzygium aromaticum. Common name is listed as clove. Synonyms are listed as Caryophyllus aromaticus, Eugenia caryophyllata, Eugenia caryophyllus. The Syzygium genus is found in the Myrtaceae family.

Parent Product

183 - Food - Plant Source, Cloves Syzygium aromaticum

Related Products

182 - Food - Plant Source, Cloves Eugenia caryophyllata

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **183 - Food - Plant Source, Cloves Syzygium aromaticum**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Eugenia caryophyllata, Syzygium aromaticum, E.Caryophyllata allergy, S. aromaticum allergy, clove allergy, clove allergy + dignosis, eugenol allergy.
Google: Clove allergy

Nomenclature

According to ITIS, the scientific name, Syzygium aromaticum, is correct and current. Common name is listed as clove. Synonyms are listed as Caryophyllus aromaticus, Eugenia caryophyllata, Eugenia caryophyllus. The Syzygium genus is found in the Myrtaceae family.

Parent Product

183 - Food - Plant Source, Cloves Syzygium aromaticum

Related Products

182 - Food - Plant Source, Cloves Eugenia caryophyllata

Published Data

No supportive data were identified.

Documents	PubMed Number	Author	Year Published
182_ Contact Dermatitis (Spices) 22 267-72.pdf	2383985	van den Akker, T.W.	1990
182_ Contact Dermatitis 29-202.pdf	8281784	Meding, B.	1993
182_ Contact Dermatitis 41-346.pdf	10617221	Sánchez-Pérez J	1999
182_ Allerg Immunol(Paris) 34-135.pdf	12078423	Moneret-Vautrin, D.A.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: 184 - Food - Plant Source, Cocoa Bean Theobroma cacao

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Theobroma cacao, T. cacao allergy, Cocoa allergy, chocolate allergy, cocoa skin prick test, cocoa immunotherapy, chocolate allergy dignosis.
Google: chocolate allergy
Journal of Allergy and Clinical Immunology: Chocolate allergy

Nomenclature

According to ITIS, the scientific name, Theobroma cacao, is correct and current. The common name is cacao. There are two subspecies listed: T. cacao ssp. cacao and sphaerocarpum. The Theobroma genus is found in the Sterculiaceae family. Theobroma cacao is the only species for cacao bean (PLANTS database and wikipedia).

Parent Product

164 - Food - Plant Source, Cacao bean Theobroma cacao

Related Products

184 - Food - Plant Source, Cocoa Bean Theobroma cacao

Published Data

PMID 9265998: Extracts of cacao bean were roasted, the sheath was removed and the internal portion was ground to powder. Both preparations induced a wheal response from the allergic patient, but not from 10 non-allergic controls. The patient was challenged bronchially with powder extract and experiences an immeditae 12 % decrease in his FEV1.

Documents	PubMed Number	Author	Year Published
164_ Ann Allergy 24-484.pdf	5918258	Fries, J.H	1966
164_ Allergy 52-778.pdf	9265998	Perfetti, L.	1997

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **185 - Food - Plant Source, Coconut Cocos nucifera**

Recommended Common Name Palm, Coconut

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Cocos nucifera, coconut, coconut allergy, coconut allergy + allergen + diagnosis + cross-reactivity
Google: coconut allergy

Nomenclature

According to ITIS, the common name, Cocos nucifera, is correct and current. The common name is coconut palm. The Cocos genus is found in the Arecaceae family.

Parent Product

185 - Food - Plant Source, Coconut Cocos nucifera

Published Data

PMID 14989401 reports on a study to evaluate the cross-reactive antibodies between coconut and other tree nuts. Patient has positive skin prick test to fresh coconut, commercial extracts of coconut, canned coconut milk, almond, Brazil nut, cashew, peacan, walnut, and hazelnut. In vitro serum specific IgE wa present for coconut, hazelnut, Brazil nut, and cashew. Inhibition assays using coconut demonostrated complete inhibition of hazelnut specific IgE, but inhibition assays using hazelnut showed only partial inhibition of coconut specific IgE. There is some corss-reactivity between hazelnut and coconut.

Documents	PubMed Number	Author	Year Published
202_ Ann Allergy Asthma Immunol 92 - 281.pdf	14989401	Nguyen, S.A.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category II	Category II

Product: **186 - Food - Plant Source, Coffee Coffea arabica**

Recommended Common Name Coffee, Arabian

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Coffea arabica, coffea arabica allergy + allergen + diagnosis + cross-reactivity; coffee allergy
Google: coffee allergy

Nomenclature

According to ITIS, the scientific name, Coffea arabica, is correct and current. The common name is Arabian coffee. The Coffea genus is found in the Rubiaceae family. Arabian coffe accounts for most of the world's coffee.

Parent Product

186 - Food - Plant Source, Coffee Coffea arabica

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIB	Category I
Therapy:	Category IIIB	Category II

Product: **187 - Food - Plant Source, Cola Nut Cola acuminata**

Recommended Common Name Cola, Abata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Cola, Cola nut, Cola allergy, Cola allergy diagnosis, Cola nut cross-reactivity, Kola, Kola nut, Kola nut allergy
Google: cola nut allergy; cola nut allergy adverse; cola nut allergen; cola nut allergen adverse; same search results performed for cola acuminate and kola nut

Nomenclature

According to ITIS, the scientific name, Cola acuminata, is correct and current. The common name is abata cola. The Cola genus is found in the Sterculiaceae family. According to dictionary.com, cola nut is also spelled kola nut.

Parent Product

187 - Food - Plant Source, Cola Nut Cola acuminata

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **188 - Food - Plant Source, Corn Grain**

Recommended Scientific Name Zea mays

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: corn grain, allergy, diangosis, immunotherapy
Google: corn grain, allergy, diangosis, immunotherapy

Nomenclature

No results for 'corn grain' was found in ITIS or USDA PLANTS Database. According to ITIS, the scientific name of corn is Zea mays. The Zea genus is found in the Poaceae family.

Parent Product

188 - Food - Plant Source, Corn Grain

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **189 - Food - Plant Source, Corn Meal**

Recommended Scientific Name (genus and species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: "cornmeal + allergy" Corn Meal and Cornmeal.
Google: cornmeal, allergy, diangosis, immunotherapy

Nomenclature

No results for 'corn meal' was found in ITIS or USDA PLANTS Database. According to ITIS, the scientific name of corn is Zea mays. The Zea genus is found in the Poaceae family.

Parent Product

189 - Food - Plant Source, Corn Meal

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **190 - Food - Plant Source, Corn Zea mays**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Zea mays, + allergy, allergen, diagnosis, cross-reactivity, immunotherapy. Corn allergy, + allergen, diagnosis, cross-reactivity, immunotherapy.
Google: Zea mays allergy, corn allergy.

Nomenclature

According to ITIS, the scientific name, Zea mays, is correct and current. The common name is corn. One variety, Z. mays var. huehuetenangensis, and two subspecies, Z. mays ssp. mays and Z. mays ssp. parviglumis are listed. The Zea genus is found in the Poaceae family.

Parent Product

190 - Food - Plant Source, Corn Zea mays

Published Data

PMID 7560636: One hundred forty-five patients with positive SPT reponses to one or more cereal grains (wheat, rye, barley, oat, rice, corn) were included in the cereal grain hypersensitivity study. 24 out of 98 patients were SPT positive to corn extracts. 45 out of 145 patients were grain challenged with corn, of these 17 were SPT positive for corn and 5 had positive challenge results.

Documents	PubMed Number	Author	Year Published
189_ Allergy-61-128-35.pdf	16364168	Weichel, M.	2006
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **191 - Food - Plant Source, Corn, Sweet Zea rugosa**

Recommended Scientific Name Zea, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: sweet corn allergy; sweet corn allergen, Zea rugosa allergy; Zea rugosa allergen
Google: sweet corn allergy; sweet corn allergy adverse; sweet corn allergen; sweet corn allergen adverse; same search results performed for Zea rugosa

Nomenclature

ITIS does not list sweet corn or Zea rugosa. There are five species listed within the Zea genus: Z. diploperennis, Z. luxurians, Z. mays, Z. mexicana, and Z. perennis.

Parent Product

191 - Food - Plant Source, Corn, Sweet Zea rugosa

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **192 - Food - Plant Source, Cotton Seed Gossypium sp**

Recommended Scientific Name Gossypium, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: cotton seed allergy, Gossypium allergy
Google: cotton seed allergy
Journal of Allergy and Clinical Immunology: cotton seed

Nomenclature

According to ITIS, there are ten species within the genus: Gossypium. The common name of Gossypium is cotton. The Gossypium genus is found in the Malvaceae family

Parent Product

192 - Food - Plant Source, Cotton Seed Gossypium sp

Published Data

PMID 2778246: A case report on a person who suffered an allergic reaction after eating a piece of candy containing cottonseed. Patient had a reproducible positive prick test to cottonseed extract. Using direct RAST, cottonseed extract inhibited the direct RAST by 97% with a RAST ration of 7.4. The genus was not identified.
PMID 3403864: Systemic allergic reactions in seven indviduals were reported after ingestion of a newly marketed food supplement which contained cotton seed flour. Seven out of 7 had positive SPT to cottonseed extracts (Gossypium ssp). Double-blind, placebo-controlled food challenges performed in two subjects with cotton seed flour produced reactions consisting of oropharyngeal pruritis, rhinitis, diaphoresis, dyspnea, cough, and a fall in PFTs of 45% or more. Skin-specific IgE with food supplement extracts showed marked sensitization of all seven subjects to cotton seed protein.

Documents	PubMed Number	Author	Year Published
192_ J Allergy Clin Immunol-84-407.pdf	2778246	O'Neill, C.E.	1989
192_ J Allergy Clin Immunol-82-242-50.pdf	3403864	Atkins, F.M	1988

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **193 - Food - Plant Source, Cranberry Vaccinium macrocarpon**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

Pubmed: Cranberry, allergy, allergen, spt, diagnosis, and cross-reactivity. Vaccinium allergy.
Google: Cranberry, allergy.

Nomenclature

According to ITIS, the scientific name, Vaccinium macrocarpon, is correct and current. The common name is cranberry. Synonym is Oxycoccus macropcarpus. The Vaccinium genus is found in the Ericaceae family.

Parent Product

193 - Food - Plant Source, Cranberry Vaccinium macrocarpon

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **194 - Food - Plant Source, Cucumber Cucumis sativus**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

Pubmed search: Cucumis sativus allergy; cucumber allergy English
ISI search cucumber and allergy; cucumis sativus allergy
Google search: cucumber allergy; cucumber allergy extract

Nomenclature

According to ITIS, the scientific name, Cucumis sativus, is correct and current. The common name is garden cucumber. The Cucumis genus is found in the Cucurbitaceae family.

Parent Product

194 - Food - Plant Source, Cucumber Cucumis sativus

Published Data

PMID 8328718: This paper supports extensive cross-reactivity between celery, carrot, cucumber, and watermelon, but not as much with mountain cedar.

Documents	PubMed Number	Author	Year Published
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **195 - Food - Plant Source, Cumin, Cuminum cyminum**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: cumin allergy English; Cuminum cyminum; Cuminum cyminum allergy
Google: "cumin adverse events"

Nomenclature

According to ITIS, the scientific name, Cuminum cyminum, is correct and current. The common name is cumin. Synonym is Cuminum odorum. The Cuminum genus is found in the Apiaceae family.

Parent Product

195 - Food - Plant Source, Cumin, Cuminum cyminum

Published Data

PMIDs 8299390 and 12027075 used cumin extract for prick tests in allergic patients with positive results.

Documents	PubMed Number	Author	Year Published
195_ contact dermatitis 46-72.pdf	11918598	Anliker, M.D.	2002
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **196 - Food - Plant Source, Currant Ribes sativum**

Recommended Common Name Currant, Cultivated

Recommended Scientific Name Ribes rubrum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: currant allergy English; Ribes sativum; Ribes sativum allergy
ISI: currant and allergy; allergy and Ribes and sativum
Google: Ribes sativum - yielded several sites that indicated that this is the same as Ribes rubrum, Ribes sylvestre, and Ribes vulgare

Nomenclature

According to ITIS, the current name for Ribes sativum is Ribes rubrum. The common name is cultivated currant. Synonyms are Ribes sativum, Ribes sylvestre, and Ribes vulgare. The Ribes genus is found in the Grossulariaceae family.

Parent Product

196 - Food - Plant Source, Currant Ribes sativum

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **197 - Food - Plant Source, Date Phoenix dactylifera**

Recommended Common Name Palm, Date

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Date allergy English; Phoenix dactylifera allergy
Google: date allergy

Nomenclature

According to ITIS, the scientific name, Phoenix dactylifera, is correct and current. The common name is date palm. The Phoenix genus is found in the Arecaceae family.

Parent Product

197 - Food - Plant Source, Date Phoenix dactylifera

Published Data

PMIDs 10688430 and 11060485 support skin test reactivity in allergic patients.

Documents	PubMed Number	Author	Year Published
197_ allergy 54 -1270.pdf	10688430	Kwaasi, A.A.	1999
197_ Int Arch Allergy Immunol 123 -137.pdf	11060485	Kwaasi, A.A.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **198 - Food - Plant Source, Dill Seed Anethum graveolens**

Recommended Common Name Dill

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

Pubmed: Dill allergy; Dill seed allergy
ISI search: Dill allergy; Dill seed allergy
Google search: Dill allergy

Nomenclature

According to ITIS, the scientific name, Anethum graveolens, is correct and current. The common name is dill. The Anethum genus is found in the Apiaceae family.

Parent Product

198 - Food - Plant Source, Dill Seed Anethum graveolens

Published Data

PMIDs 10831013, 12027075, and 10380793 used dill extract for skin prick tests to determine the source of an allergic reaction. The patients in these papers all responded positively to dill extract, the negative control individuals did not.

Documents	PubMed Number	Author	Year Published
198_ Ann Allergy Asthma Immunol 84 - 559.pdf	10831013	Chiu, A.M.	2000
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
198_ Allergy 54 - 531.pdf	10380793	Freeman, G.L.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **199 - Food - Plant Source, Eggplant Solanum melogena**

Recommended Scientific Name Solanum melongena

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Eggplant allergy English; Solanum melongena English
ISI search: eggplant and allergy
Google: eggplant allergy, eggplant allergy adverse; eggplant allergen; eggplant allergen adverse; same search performed for Solanum melogena

Nomenclature

According to ITIS, the correct spelling of Solanum melogena is Solanum melongena. The common name is eggplant. The Solanum genus is found in the Solanaceae family.

Parent Product

199 - Food - Plant Source, Eggplant Solanum melogena

Published Data

Two case reports (PMIDs 14713925 and 15148961) Solanum melongena were identified in which a total of four people reported allergic symptoms to eggplant. All four had positive skin prick tests to eggplant extract, and each of these was validated by both IgE ELISA and Western blot analysis. No negative reactions were reported.

Documents	PubMed Number	Author	Year Published
199_ J Allergy Clin Immunol 113 - 171.pdf	14713925	Pramod, S.N.	2004
199_ J Allergy Clin Immunol 113 - 995.pdf	15148961	Lee, J.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **200 - Food - Plant Source, Endive Cichorium endivia**

Recommended Common Name Endive, Cultivated

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Endive allergy limit English; Cichorium endivia limit English
ISI Web of science: endive and allergy; Cichorium and endivia and allergy
Google: endive allergy; endive allergy adverse; endive allergen; endive allergen adverse; same search results performed for Cichorium endivia

Nomenclature

According to ITIS, the scientific name, Cichorium endivia, is correct and current. Common name is cultivated endive. The Cichorium genus is found in the Asteraceae family.

Parent Product

200 - Food - Plant Source, Endive Cichorium endivia

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **201 - Food - Plant Source, Fig Ficus carica**

Recommended Common Name Fig, Common

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: fig allergy limit English; Ficus carica allergy
ISI search: ficus carica allergy
Google: "ficus adverse events"

Nomenclature

According to ITIS, the scientific name, Ficus carica, is correct and current. Common names are common fig, edible fig, fiku, and piku. The Ficus genus is found in the Moraceae family.

Parent Product

201 - Food - Plant Source, Fig Ficus carica

Published Data

Two publications (PMIDs 7573846 and 12811022) used fig extracts for skin prick tests in fig allergic patients. Both individuals had a positive response to fig extract. Also, fig-specific IgE was found in both people.

Documents	PubMed Number	Author	Year Published
201_ Allergy 50 - 514.pdf	7573846	DeChamp, C.	1995
201_ Int Arch Allergy Immunol 131-138.pdf	12811022	Antico, A.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **202 - Food - Plant Source, Filbert Corylus americana**

Recommended Common Name Hazelnut

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Filbert allergy English; Hazelnut allergy English; Corylus allergy English; Corylus americana allergy English
Google: filbert averse event

Nomenclature

According to ITIS, the scientific name, Corylus americana, is correct and current. Common names are American hazelnut, hazel, and hazelnut. Synonym is Corylus Americana var. indehiscens. The Corylus genus is found in the Betulaceae family.

Parent Product

202 - Food - Plant Source, Filbert Corylus americana

Related Products

215 - Food - Plant Source, Hazlenut (Filbert) Corylus spp

Published Data

A recent literature search revealed several papers on hazelnut allergy. Crossreactivity studies have been performed against both coconut (PMID 14989401) and peanut (12956750). In another paper (PMID 12622744) looking at seventeen hazelnut allergic individuals, hazelnut extracts performed well on skin prick test, and could also be used for in vitro tests such as IgE ELISA and histamine release.

Documents	PubMed Number	Author	Year Published
202_ Allergy 58 - 132.pdf	12622744	Hansen, K.S.	2003
202_ Ann Allergy Asthma Immunol 92 - 281.pdf	14989401	Nguyen, S.A.	2004
202_ Clin Exp Allergy 33 - 1273.pdf	12956750	de Leon, M.P.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **203 - Food - Plant Source, Garlic Allium sativum**

Recommended Common Name Garlic, Cultivated

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Garlic allergy English; Allium sativum allergy limit English
Google: "garlic adverse event"

Nomenclature

According to ITIS, the scientific name, Allium sativum, is correct and current. The common name is cultivated garlic. The scientific name is correct and current. The common name needs to be updated. The Allium genus is found in the Liliaceae family.

Parent Product

203 - Food - Plant Source, Garlic Allium sativum

Published Data

Two papers (PMIDs 10795656, 9525465) documented skin-prick tests with garlic extract. One paper repeated the test with a different garlic extract and that was positive also. Western blot analysis with the patient's sera confirmed the presence of garlic-specific IgE.

Documents	PubMed Number	Author	Year Published
203_ J Allergy Clin Immunol 101 - 427.pdf	9525465	Asero, R.	1998
194_ Ann Allergy Asthma Immunol 84 - 460.pdf	10795656	Asero, R.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **204 - Food - Plant Source, Ginger Zingiber officinale**

Recommended Common Name Ginger, Garden

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Ginger allergy; Zingiber officinale allergy
ISI search: Ginger and allergy limit; Zingiber officinale allergy
Google: Ginger allergy

Nomenclature

According to ITIS, the scientific name, Zingiber officinale, is correct and current. The common name is garden ginger. Synonyms are Amomum zingiber and Zingiber zingiber. Zingiber genus is found in the Zingiberaceae family.

Parent Product

204 - Food - Plant Source, Ginger Zingiber officinale

Published Data

Three of papers were found describing IgE mediated disease to ginger. One of the three (PMID 3168968) used intradermal testing of ginger extracts, the others used scratch (PMID 1957997) or prick testing (PMID 1957997) of powdered spices. Both methods yielded a positive response in allergic individuals but not in controls. In each of the papers ginger-specific IgE was detected in allergic individuals using ginger extracts.

Documents	PubMed Number	Author	Year Published
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
204_ Contact Dermatitis 35 - 157.pdf	8930476	Kanerva, L.	1996
253_ Environ Res 47 - 95.pdf	3168968	Zuskin, E.	1988

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **205 - Food - Plant Source, Gooseberry Ribes grossularia**

Recommended Common Name Gooseberry, European

Recommended Scientific Name Ribes uva-crispa var. sativum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Gooseberry allergy English; Ribes grossularia English
ISI search Gooseberry and allergy; Ribes and grossularia and allergy
Google: gooseberry allergy; gooseberry allergy adverse; gooseberry allergen; gooseberry allergen adverse; same search results performed for Ribes grossularia

Nomenclature

According to ITIS, the current name of Ribes grossularia is Ribes uva-crispa var. sativum. The common name is European gooseberry. Synonyms are Grossularia reclinata, Ribes grossularia, Ribes uva-crispa ssp. reclinatum. The Ribes genus is found in the Grossulariaceae family.

Parent Product

205 - Food - Plant Source, Gooseberry Ribes grossularia

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **206 - Food - Plant Source, Gooseberry Ribes hirtelium**

Recommended Common Name Gooseberry, Hairystem

Recommended Scientific Name Ribes hirtellum

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Gooseberry allergy English; Ribes hirtellum
ISI search: gooseberry and allergy; Ribes and allergy
Google: gooseberry allergy; gooseberry allergy adverse; gooseberry allergen; gooseberry allergen adverse; same search results performed for Ribes hirtelium and Ribes hirtellum

Nomenclature

According to ITIS, the correct spelling of Ribes hirtelium is Ribes hirtellum. The common names are hairy-stem gooseberry and hairystem gooseberry. Synonyms are Grossularia hirtella, Ribes hirtellum var. calcicola, Ribes hirtellum var. saxosum, Ribes oxyacanthoides var. calcicola, Ribes oxyacanthoides var. hirtellum, and Ribes oxyacanthoides var. saxosum. The Ribes genus is found in the Grossulariaceae family.

Parent Product

206 - Food - Plant Source, Gooseberry Ribes hirtelium

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **207 - Food - Plant source, Grape (Red & Green)**

Recommended Scientific Name Vitis, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: grape allergy English
Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse

Nomenclature

According to ITIS, grapes are found in the Vitis genus. The scientific and common names need to be updated. The Vitis genus is found in the Vitaceae family.

Parent Product

207 - Food - Plant source, Grape (Red & Green)

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **208 - Food - Plant Source, Grape Vitis sp.**

Recommended Scientific Name Vitis, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: grape allergy English; Vitis allergy English
Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis

Nomenclature

According to ITIS, there are more than 20 different Vitis species. The Vitis genus is found in the Vitaceae family.

Parent Product

208 - Food - Plant Source, Grape Vitis sp.

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **209 - Food - Plant Source, Grape, Concord Vitis sp. (or Vitis labrusca)**

Recommended Common Name Grape, Fox

Recommended Scientific Name Vitis labrusca

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: grape allergy English; vitis labrusca English; vitis labrusca allergy; concord grape allergy; concord grape extract; jam allergy; grape jelly allergy; fox grape allergy
ISI searches: vitis labrusca allergy; grape allergy English
Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis labrusca

Nomenclature

According to ITIS, the scientific name, Vitis labrusca, is correct and current. The common name is listed as fox grape. Synonym is listed as Vitis labrusca var. subedentata. The Vitis genus is found in the Vitaceae family. Based on the PLANTS database, Vitis labrusca is also called the fox grape and is primarily used for jams, jellies and preserves.

Parent Product

209 - Food - Plant Source, Grape, Concord Vitis sp. (or Vitis labrusca)

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **210 - Food - Plant Source, Grape, Reiber**

Recommended Common Name Grape, Wine

Recommended Scientific Name Vitis vinifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: grape allergy English; Reiber Allergy English; Ribier grape
Google: revealed can also be spelled Ribier; Reiber/ribier is an alternate, cultivar for vitis vinifera; grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Reiber and Ribier

Nomenclature

According to ITIS, Rieber grape is not listed. Since Panel I listed Rieber grape as Vitis vinifera, this scientific name was reviewed in ITIS. The common name of Vitis vinifera is wime grape. The Vitis genus is found in the Vitaceae family.

Parent Product

210 - Food - Plant Source, Grape, Reiber

Published Data

Reiber is a cultivar of Vitis vinifera. A recent review of the literature revealed several papers on grape allergy both in the US and Europe. Three of the four papers (PMIDs 11737676, 10437812, 11737676) dealt with a single case report of grape allergy. In each case a prick test was performed with grape extract and each gave a positive response to a cultivar of Vitis vinifera grape extract. In two of the cases grape pulp and grape juice were also used and gave a stronger response than the prick test using commercial grape extract. In the fourth paper (PMID 14982527), 10 children with allergy to grapes were prick tested with grape extract, only one child tested positive. A few children responded to prick test with grape pulp or grape peel. Outside of histamine, no other prick tests were performed as controls. Commercial grape extract assisted in the diagnosis of grape allergy in 3 out of 4 papers reviewed. No negative reactions were reported.

Documents	PubMed Number	Author	Year Published
212_ Allergy 59 - 364.pdf	14982527	Rodríguez, A.	2004
212_ Ann Allergy Asthma Immunol 83 - 25.pdf	10437812	Vasawani, S.K.	1999
212_ J Invest Allergol Clin Immunol 13 - 211.pdf	14635473	Caiaffa, M.F.	2003
212_ Pedaitr Allergy Immunol 12- 289.pdf	11737676	Rodríguez, A.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **211 - Food - Plant Source, Grape, Tokay Vitis sp.**

Recommended Scientific Name Vitis, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: grape allergy English; Vitis allergy English; Tokay allergy
Google: revealed tokay is an alternate, cultivar for vitis vinifera; grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis vinifera

Nomenclature

According to ITIS, there are 23 species within the Vitis genus. Tokay is not listed in ITIS. The Vitis genus is found in the Vitaceae family.

Parent Product

211 - Food - Plant Source, Grape, Tokay Vitis sp.

Published Data

Tokay is a cultivar of Vitis vinifera. A recent review of the literature revealed several papers on grape allergy both in the US and Europe. PMIDs 14982527, 14635473, 11737676 are case reports of grape allergy. In each case prick testing was performed with a grape extract and each gave a positive response to a cultivar of Vitis vinifera grape extract. In two of the cases grape pulp and grape juice were also used and gave a stronger response than the prick test using commercial grape extract. In PMID 10437812, 10 children with allergy to grapes were prick tested with grape extract, but only one child tested positive. A few children responded to prick test with grape pulp or grape peel. Outside of histamine, no other prick tests were performed as controls. Commercial grape extract assisted in the diagnosis of grape allergy in 3 out of 4 papers reviewed. No negative reactions were reported.

Documents	PubMed Number	Author	Year Published
212_ Allergy 59 - 364.pdf	14982527	Rodríguez, A.	2004
212_ Ann Allergy Asthma Immunol 83 - 25.pdf	10437812	Vasawani, S.K.	1999
212_ J Invest Allergol Clin Immunol 13 - 211.pdf	14635473	Caiaffa, M.F.	2003
212_ Pedaitr Allergy Immunol 12- 289.pdf	11737676	Rodríguez, A.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **212 - Food - Plant Source, Grape, White Seedless Vitis sp. (or Vitis vinifera)**

Recommended Common Name Grape, Wine

Recommended Scientific Name Vitis vinifera

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: grape allergy English; Vitis allergy English; vitis vinifera allergy; vitis vinifera allergy limit English
Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis vinifera

Nomenclature

According to ITIS, the scientific name, Vitis vinifera, is correct and current. The common name is listed as wine grape. The Vitis genus is found in the Vitaceae family.

Parent Product

212 - Food - Plant Source, Grape, White Seedless Vitis sp. (or Vitis vinifera)

Published Data

Tokay is a cultivar of Vitis vinifera. A recent review of the literature revealed several papers on grape allergy both in the US and Europe. PMIDs 14982527, 14635473, 11737676 are case reports of grape allergy. In each case prick testing was performed with a grape extract and each gave a positive response to a cultivar of Vitis vinifera grape extract. In two of the cases grape pulp and grape juice were also used and gave a stronger response than the prick test using commercial grape extract. In PMID 10437812, 10 children with allergy to grapes were prick tested with grape extract, but only one child tested positive. A few children responded to prick test with grape pulp or grape peel. Outside of histamine, no other prick tests were performed as controls. Commercial grape extract assisted in the diagnosis of grape allergy in 3 out of 4 papers reviewed. No negative reactions were reported.

Documents	PubMed Number	Author	Year Published
212_ Allergy 59 - 364.pdf	14982527	Rodríguez, A.	2004
212_ Ann Allergy Asthma Immunol 83 - 25.pdf	10437812	Vasawani, S.K.	1999
212_ J Invest Allergol Clin Immunol 13 - 211.pdf	14635473	Caiaffa, M.F.	2003
212_ Pedaitr Allergy Immunol 12- 289.pdf	11737676	Rodríguez, A.	2001

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **213 - Food - Plant Source, Grapefruit Citrus paradisi**

Recommended Scientific Name Citrus X paradisi

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: grapefruit allergy English; citrus paradisi allergy
ISI search: grapefruit and allergy; citrus and paradisi and allergy
Google search: Grapefruit allergy

Nomenclature

According to ITIS, the correct spelling of Citrus paradisi is Citrus X paradisi. Common names are listed as grapefruit and paradise citrus. The common name is correct and current. The scientific name needs to be updated. The Citrus genus is found in the Rutaceae family.

Parent Product

213 - Food - Plant Source, Grapefruit Citrus paradisi

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **214 - Food - Plant Source, Grapefruit Citrus unvacarpa**

Recommended Scientific Name Citrus X paradisi

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: grapefruit allergy English; Citrus unvacarpa allergy
ISI search: grapefruit and allergy; citrus and unvacarpa and allergy
Google: grapefruit allergy; grapefruit allergy adverse; grapefruit allergen; grapefruit allergen adverse; same search results performed for Citrus unvacarpa

Nomenclature

Citrus unvacarpa is not listed in ITIS. According to IT IS the scientific name of grapefruit is Citrus X paradisi. Common name is correct and curent. The scientific name needs to be updated. The Citrus genus is found in the Rutaceae family.

Parent Product

214 - Food - Plant Source, Grapefruit Citrus unvacarpa

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **215 - Food - Plant Source, Hazlenut (Filbert) Corylus spp**

Recommended Scientific Name Corylus, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Filbert allergy English; Hazelnut allergy English; Corylus allergy English; Corylus americana allergy English
Google: filbert adverse event

Nomenclature

According to ITIS, the scientific name, Corylus americana, is correct and current. Common names are American hazelnut, hazel, and hazelnut. Synonym is Corylus Americana var. indehiscens. The Corylus genus is found in the Betulaceae family.

Parent Product

202 - Food - Plant Source, Filbert Corylus americana

Related Products

215 - Food - Plant Source, Hazlenut (Filbert) Corylus spp

Published Data

A recent literature search revealed several papers on hazelnut allergy. Crossreactivity studies have been performed against both coconut (PMID 14989401) and peanut (12956750). In another paper (PMID 12622744) looking at seventeen hazelnut allergic individuals, hazelnut extracts performed well on skin prick test, and could also be used for in vitro tests such as IgE ELISA and histamine release.

Documents	PubMed Number	Author	Year Published
202_ Allergy 58 - 132.pdf	12622744	Hansen, K.S.	2003
202_ Ann Allergy Asthma Immunol 92 - 281.pdf	14989401	Nguyen, S.A.	2004
202_ Clin Exp Allergy 33 - 1273.pdf	12956750	de Leon, M.P.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **216 - Food - Plant Source, Hickory Nut Carya sp.**

Recommended Scientific Name Carya, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: hickory nut allergy; Carya allergy
ISI search: hickory and nut and allergy; hickory and allergy; carya and allergy
Google: hickory nut allergy: there are several sites that list hickory nut as a tree nut and that they should be avoided when tree nut allergy is diagnosed

Nomenclature

According to ITIS, there are 23 species of Carya (hickory) listed. The Carya genus is found in the Juglandaceae family.

Parent Product

216 - Food - Plant Source, Hickory Nut Carya sp.

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **217 - Food - Plant Source, Honeydew Melon Cucumis melo**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Honeydew allergy; Cucumis melo allergy
ISI search: honeydew allergy; cucumis melo allergy
Google: honeydew allergy

Nomenclature

According to ITIS, the scientific name, Cucumis melo, is correct and current. The common names are cantaloupe and cantaloupe. Synonym is listed as Cucumis melo var. dudaim. The Cucumis genus is found in the Cucurbitaceae family.

Parent Product

217 - Food - Plant Source, Honeydew Melon Cucumis melo

Published Data

A search of the literature showed no papers for honeydew, but three relevant papers for its genus and species: Cucumis melo. PMIDs 14533664, 11080722, 12801320 reported skin prick and oral challenges with melon. Two of the three papers used melon pulp instead of melon extracts for skin prick tests. However, the third paper used three different extracts on over 60 people. They showed a wide range of positive results: 12%, 19% or 90% of melon allergic patients responded positively to prick tests. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

Documents	PubMed Number	Author	Year Published
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003
217_ J Allergy Clin Immunol 106 - 968.pdf	11080722	Rodriguez, J.	2000
217_ Clin Exp Allergy 33 - 827.pdf	12801320	Cuesta-Herranz, J.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **218 - Food - Plant Source, Hops Humulus lupulus**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Hops allergy; Humulus lupulus allergy
ISI search: hops allergy; Humulus lupulus allergy
Google: "hops averse event"

Nomenclature

According to ITIS, the scientific name, Humulus lupulus, is correct and current. The common names are common hop, common hops, and hops. There are four varieties of H. lupulus listed: lupuloides, lupulus, neomexicanus, and pubescens. The Humulus genus is found in the Cannabaceae family.

Parent Product

218 - Food - Plant Source, Hops Humulus lupulus

Published Data

Three papers concerning hops allergy were reviewed. In PMID 11918619, dried hops were used in a prick plus prick test. Prick plus prick data do not provide useful hops extract. In PMIDs 11426925, 3950255 extracts of hops were used in skin prick tests. These tests were positive and helped identify the source of type 1 patient allergies.

Documents	PubMed Number	Author	Year Published
218_ Ann Agric Environ Med 8 - 51.pdf	11426925	Spiewak, R.	2001
218_ contact dermatitis 46 - 127.pdf	11918619	Estrada, J.L.	2002
218_ J Allergy Clin Immunol 77-516.pdf	3950255	Stricker, W.E.	1986

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **219 - Food - Plant Source, Horse Radish Rorippa armoricia**

Recommended Common Name Horseradish

Recommended Scientific Name Armoracia rusticana

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Horse radish allergy limit English; Rorippa armoricia allergy limit English; Rorippa allergy
ISI search: Horse and radish and allergy; Rorippa and allergy
Google search: horseradish allergy

Nomenclature

According to ITIS, the current name of Rorippa armoricia is Armoracia rusticana. Common names are listed as horse-radish and horseradish. Synonyms are: Armoracia armoracia, Armoracia lapathifolia, Cochlearia armoracia, Nasturtium armoracia, Radicula armoracia, and Rorippa armoracia. The Armoracia genus is found in the Brassicaceae family.

Parent Product

219 - Food - Plant Source, Horse Radish Rorippa armoricia

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **220 - Food - Plant Source, Horseradish Armoracia rusticana**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Horse radish allergy limit English; Rorippa armoricia allergy limit English; Rorippa allergy
ISI search: Horse and radish and allergy; Rorippa and allergy
Google search: horseradish allergy

Nomenclature

According to ITIS, the scientific name, Armoracia rusticana, is correct and current. Common names are listed as horse-radish and horseradish. Synonyms are: Armoracia armoracia, Armoracia lapathifolia, Cochlearia armoracia, Nasturtium armoracia, Radicula armoracia, and Rorippa armoracia. The Armoracia genus is found in the Brassicaceae family.

Parent Product

220 - Food - Plant Source, Horseradish Armoracia rusticana

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **221 - Food - Plant Source, Juniper Berries Juniperus communis**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Juniper allergy; Juniper berry allergy; Juniperus communis allergy
ISI search: Juniperus communis and allergy
Google: Juniper berry allergy

Nomenclature

According to ITIS, the scientific name, Juniperus communis, is correct and current. Common names are listed as common juniper and dwarf juniper. Four varieties of J. communis are listed: communis, depressa, megistocarpa, and montana. The Juniperus genus is found in the Cupressaceae family.

Parent Product

221 - Food - Plant Source, Juniper Berries Juniperus communis

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **222 - Food - Plant Source, Leek Allium porrum**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: leek allergy; Allium porrum allergy
ISI search: leek and allergy; allium and porrum and allergy
Google: leek allergy

Nomenclature

According to ITIS, the scientific name, Allium porrum, is correct and current. The common name is garden leek. Synonym is listed as Allium ampeloprasum var. porrum. The Allium genus is found in the Liliaceae family.

Parent Product

222 - Food - Plant Source, Leek Allium porrum

Published Data

PMIDs 15575950,11167386, 14713923 included data on leek allergy, while PMIDs 10753025, 12121198 only mentioned leeks as being related to onion. In none of these papers was leek extract used for prick or ID tests. Instead, leek juice was used for conjuctival challenge or prick-prick and scratch tests were performed using the leaf and bulb. Leek extract was used for ELISA and Western blot analysis. Purified alliin lyase, from garlic, leek, and onion, cross-react (PMID 14713923).

Documents	PubMed Number	Author	Year Published
222_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000
222_ Allergy 57 - 752.pdf	12121198	Pérez-Calderón, R.	2002
222_ Allergy 60 - 132.pdf	15575950	Armentia, A.	2005
222_ Allergy 56 - 192.pdf	11167386	Cadot, P.	2001
222_ J Allergy Clin Immunol 113 - 161.pdf	14713923	Kao, S.H.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **223 - Food - Plant Source, Lemon Citrus limon**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed search: lemon allergy limit English; Citrus limon allergy limit English
ISI search: lemon and allergy; Citrus and limon and allergy
Google: lemon allergy; lemon allergy adverse; lemon allergen; lemon allergen adverse; same search results performed for Citrus limon

Nomenclature

According to ITIS, the scientific name, Citrus limon, is correct and current. The common name is lemon. The Citrus genus is found in the Rutaceae family.

Parent Product

223 - Food - Plant Source, Lemon Citrus limon

Published Data

PMIDs 2526827, 7821015 were about contact dermatitis and were not IgE mediated. PMIDs 14713927, 15947476 were about allergy to orange, but showed that some patients had anti-lemon IgE. Both orange and lemon proteins show cross-reactivity with a peach protein In one paper a putative lipid transfer protein was isolated from both oranges and lemons. These proteins were used in skin prick tests of orange allergic patients and 37-46% of patients reacted to this protein.

Documents	PubMed Number	Author	Year Published
223_ J Am Acad Dermatol 21 - 395.pdf	2526827	Cardullo, A.C.	1989
223_ Contact Dermatitis 31 -183.pdf	7821015	Audicana, M.	1994
223_ J Allergy Clin Immunol 113 - 175.pdf	14713927	Ibáñez, M.D.	2004
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **224 - Food - Plant Source, Lentil Lens culinaris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Lentil allergy English; Lens culinaris English
Google: lentil allergy

Nomenclature

According to ITIS, the scientific name, Lens culinaris, is correct and current. The common name is lentil. Synonyms are listed as Cicer lens, Ervum lens, and Lens esculenta. The Lens genus is found in the Fabaceae family.

Parent Product

224 - Food - Plant Source, Lentil Lens culinaris

Related Products

225 - Food - Plant Source, Lentil Lens esculenta

Published Data

A review of 3 papers showed over 100 people with lentil allergy. In PMID 10604559, 38 patients were eachskin prick tested with lentil extract. The response varied with the severity of disease. Western blot and ELISA tests were performed in these papers with patient sera and lentil extracts. IgE bound lentil extract well in each test.

Documents	PubMed Number	Author	Year Published
224_ Allergy 54 - 1209.pdf	10604559	Ibáñez Sandín, D.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **225 - Food - Plant Source, Lentil Lens esculenta**

Recommended Scientific Name Lens culinaris

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed search: lentil allergy; Lens esculenta allergy
ISI search: lentil and allergy; Lens esculenta allergy
Google: Lens esculenta allergy

Nomenclature

According to ITIS, the current name of Lens esculenta is Lens culinaris. The common name is lentil. The common name is correct and current. The scientific name needs to be updated. Synonyms are listed as Cicer lens, Ervum lens, and Lens esculenta. The Lens genus is found in the Fabaceae family.

Parent Product

224 - Food - Plant Source, Lentil Lens culinaris

Related Products

225 - Food - Plant Source, Lentil Lens esculenta

Published Data

A review of 3 papers showed over 100 people with lentil allergy. In PMID 10604559, 38 patients were all skin prick tested with lentil extract. The response varied with the severity of disease. Western blot and ELISA tests were performed in these papers with patient sera and lentil extracts. IgE bound lentil extract well in each test.

Documents	PubMed Number	Author	Year Published
224_ Allergy 54 - 1209.pdf	10604559	Ibáñez Sandín, D.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **226 - Food - Plant Source, Lettuce Lactuca sativa**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: lettuce allergy; Lactuca sativa allergy
Google: lettuce allergy; lettuce allergy adverse; lettuce allergen; lettuce allergen adverse; same search results performed for Lactuca sativa

Nomenclature

According to ITIS, the scientific name, Lactuca sativa, is correct and correct. The common name is lettuce and garden lettuce. Synonyms are Lactuca scariola var. integrate and Lactuca scariola var. integrifolia. The Lactuca genus is found in the Asteraceae family.

Parent Product

226 - Food - Plant Source, Lettuce Lactuca sativa

Published Data

Four papers were reviewed for Lactuca sativa extract. In PMID 139283, non-IgE mediated contact dermatitis was diagnosed. In PMID 14616144, the presence of lettuce -specific IgE was detected using lettuce extracts, but no in vivo tests were performed with lettuce extracts. The two remaining papers (PMIDs 9756210, 8877160) discussed patients that had IgE mediated allergic reactions to lettuce. This was verified in both papers by skin prick test with lettuce extract and through detection of lettuce-specific IgE.

Documents	PubMed Number	Author	Year Published
200_ Contact Dematitis 3 - 27.pdf	139283	Krook, G.	1977
226_ Clin Exp Allergy 28-1031.pdf	9756210	Vila, L.	1998
200_ Clin Exp Allergy 26 - 940.pdf	8877160	Cadot, P.	1996
226_ Allergy 58 - 1205.pdf	14616144	Olive-Perez, A.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **227 - Food - Plant Source, Lettuce, Romain Lactuca romana**

Recommended Common Name Romaine

Recommended Scientific Name Lactuca sativa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed and ISI searches: Lactuca romana allergy; Romain lettuce allergy; romaine lettuce allergy
Google: lettuce allergy; lettuce allergy adverse; lettuce allergen; lettuce allergen adverse; same search results performed for Lactuca romana

Nomenclature

A Google search revealed that romain should be spelled romaine. PLANTS database does not cite a Lactuca romana or romaine lettuce. USDA has published papers indicating that romaine lettuce is actually Lactuca sativa. http://www.ars.usda.gov/research/publications/publications.htm?seq_no_115=140336 Lactuca romana is not listed in ITIS. According to ITIS, the scientific name, Lactuca sativa is commonly called lettuce and garden lettuce. Synonyms are Lactuca scariola var. integrate and Lactuca scariola var. integrifolia. The Lactuca genus is found in the Asteraceae family

Parent Product

227 - Food - Plant Source, Lettuce, Romain Lactuca romana

Published Data

Four papers were reviewed for Lactuca sativa extract. In PMID 139283, non-IgE mediated contact dermatitis was diagnosed. In PMID 14616144, the presence of lettuce -specific IgE was detected using lettuce extracts, but no in vivo tests were performed with lettuce extracts. The two remaining papers (PMIDs 9756210, 8877160) discussed patients that had IgE mediated allergic reactions to lettuce. This was verified in both papers by skin prick test with lettuce extract and through detection of lettuce-specific IgE.

Documents	PubMed Number	Author	Year Published
226_ Clin Exp Allergy 28-1031.pdf	9756210	Vila, L.	1998
226_ Allergy 58 - 1205.pdf	14616144	Olive-Perez, A.	2003
200_ Contact Dematitis 3 - 27.pdf	139283	Krook, G.	1977
200_ Clin Exp Allergy 26 - 940.pdf	8877160	Cadot, P.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **228 - Food - Plant Source, Licorice Glycyrrhiza glabra**

Recommended Common Name Licorice, Cultivated

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed search: Licorice allergy; Glycyrrhiza glabra allergy
ISI search: Licorice and allergy; Glycyrrhiza and allergy:
Google: licorice allergy; licorice allergy adverse; licorice allergen; licorice allergen adverse; same search results performed for Glycyrrhiza glabra

Nomenclature

According to ITIS, the scientific name, Glycyrrhiza glabra, is correct and current. The common name is cultivated licorice. The scientific name is correct and current. The common name needs to be updated. The Glycyrrhiza genus is found in the Fabaceae family.

Parent Product

228 - Food - Plant Source, Licorice Glycyrrhiza glabra

Published Data

Only two papers have been published on allergy to Licorice. PMID 9928815 is about contact dermatitis, which is not an IgE mediated disease when diagnosed with a patch test. PMID 10726738 shows IgE mediated disease in one individual that can be diagnosed using Licorice extracts. No challenge tests were performed.

Documents	PubMed Number	Author	Year Published
228_ Allergy 55 - 195.pdf	10726738	González-Gutiérrez, M	2000
228_ Contact Dermatitis 40 -56.pdf	9928815	Nishioka, K.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIB	Category I
Therapy:	Category IIIB	Category II

Product: **229 - Food - Plant Source, Lime Citrus aurantifolia**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: lime allergy; Citrus aurantifolia allergy
ISI search: lime allergy; Citrus aurantifolia
Google: lime allergy

Nomenclature

According to ITIS, the scientific name, Citrus aurantifolia, is correct and current. The common name is lime. Synonyms are listed as Citrus aurantifolia and Limonia aurantifolia. The Citrus genus is found in the Rutaceae family.

Parent Product

229 - Food - Plant Source, Lime Citrus aurantifolia

Published Data

PMIDs 2526827, 2347175 involve contact dermatitis to lime. Both papers used patch testing for diagnosis. There is no evidence that lime extract is safe or effective for diagnosing type I allergy by prick test.

Documents	PubMed Number	Author	Year Published
223_ J Am Acad Dermatol 21 - 395.pdf	2526827	Cardullo, A.C.	1989
229_ Contact Dermatitis 22 - 212.pdf	2347175	Roesyanto-Mahadi, I.	1990

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **230 - Food - Plant Source, Mace Myristica fragans**

Recommended Common Name Nutmeg

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Mace allergy; myristica fragrans allergy
ISI search: Mace allergy; Myristica fragans allergy
Google: mace allergy; mace allergy adverse; mace allergen; mace allergen adverse; same search results performed for Myristica fragrans

Nomenclature

According to ITIS, the scientific name, Myristica fragrans, is correct and current. The common name is nutmeg. Synonym is Myristica officinalis. The Myristica genus is found in Myristicaceae family. Nutmeg and Mace are both made from the fruit of evergreen trees. Nutmeg is the actual seed of the tree, while mace is the dried "lacy" reddish covering or arillus of the seed. (http://en.wikipedia.org/wiki/Nutmeg)

Parent Product

230 - Food - Plant Source, Mace Myristica fragans

Published Data

Three papers (PMIDs 8738518, 2433321, 2411778) were found regarding mace allergy. Two performed tests in vivo, the third was an in vitro paper. The two in vivo papers tested for allergy using either scratch tests with the ground spice, or using a suspension of the spice in PBS. However, all three papers perfomed in vivo tests with extract of mace and found the IgE proteins could be detected by RAST, histamine release assay, and Western blot analysis.

Documents	PubMed Number	Author	Year Published
230_ Allergy 51 - 117.pdf	8738518	Sastre, J.	1996
230_ J Allergy Clin Immunol 79 - 108.pdf	2433321	van Toorenenbergen,	1987
204_ J ALlergy Clin Immunol 76 - 477.pdf	2411778	van Toorenenbergen,	1985

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **231 - Food - Plant Source, Malt Hordeum vulgare**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Malt allergy; Hordeum vulgare allergy; Malt and Hordeum vulgare allergy
ISI search malt and allergy
Google: malt allergy; malt allergy adverse; malt allergen; malt allergen adverse; same search results performed for Hordeum vulgare

Nomenclature

According to ITIS, the scientific name, Hordeum vulgare, is correct and current. Common names are listed as Barley, cereal barley, and common barley. Synonyms are listed Hordeum aegiceras, H. distichon, H. hexastichon, H. hexastichum, H. irregulare, H. sativum, and H. vulgare var. trifurcatum. The Hordeum genus is found in the Poaceae family.

Malt is frequently made from Barley (Hordeun vulgare). Malting usually involves soaking the grain in water for 48 hours and then allowing it to germinate for a couple more days. The grain is then heated in a kiln where it is dryed and roasted. Malt is used to make beer, whiskey, or malt vinegar.

Parent Product

231 - Food - Plant Source, Malt Hordeum vulgare

Published Data

Although there appear to be plenty of papers about allergy to malt, there are few that seem to speak directly about barley malt. Three papers (PMIDs 10435480, 15237771, 10202351) were found on barley malt, two of the three use extracts of barley malt to positively identify allergy by skin prick test. Both of these papers also use the extracts for Western blot analysis and find that patient IgE binds to proteins in barley malt. However, Panel I stated that processed products should not be approved.

Documents	PubMed Number	Author	Year Published
231_ Allergy 54 - 630.pdf	10435480	Figueredo, E.	1999
231_ Ann Allergy Asthma Immunol 92 - 673.pdf	15237771	Herzinger, T.	2004
231_ Clin Exp Allergy 29 - 407.pdf	10202351	Curioni, A.	1999

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **232 - Food - Plant Source, Mango Mangifera indica**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mango allergy; Mangifera indica
ISI search: mango and allergy
Google: mango allergy; mango allergy adverse; mango allergen; mango allergen adverse; same search results performed for Mangifera indica

Nomenclature

According to ITIS, the scientific name, Mangifera indica, is correct and current. The common name is mango. The Mangifera genus is found in the Anacardiaceae family.

Parent Product

232 - Food - Plant Source, Mango Mangifera indica

Published Data

Three papers (PMIDs 10505467, 11251404, 3147776) were found regarding the diagnosis of mango allergy. One paper used mango pulp for skin tests, while another used mango juice for skin tests. The third paper looked at cross reactivity of mango to carrot, celery, mugwort pollen and birch pollen. All four extracts did inhibit binding of allergic patient sera to mango coated disks (EAST inhibition), with the highest inhibition being by carrot extract (92%). Celery extract inhibited binding by 58%, mugwort and birch pollens each by 58%. Western blot inhibition revealed similar results.

Documents	PubMed Number	Author	Year Published
232_ Allergy 54 - 1004.pdf	10505467	Duque, S.	1999
232_ Allergy 56 - 237.pdf	11251404	Paschke, A.	2001
232_ BMJ 297 - 1639.pdf	3147776	Miell, J.	1986

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **233 - Food - Plant Source, Melon, Catalope Cucumis melo**

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Cucumis melo allergy; cantaloupe allergy
Google: cantaloupe allergy; cantaloupe allergy adverse; cantaloupe allergen; cantaloupe allergen adverse; same search results performed for Cucumis melo

Nomenclature

According to ITIS, the scientific name, Cucumis melo, is correct and current. Common names are cantaloupe and cantaloupe. Synonym is Cucumis melo, var. dudaim. The Cucumis genus is found in the Cucurbitaceae family.

Parent Product

233 - Food - Plant Source, Melon, Catalope Cucumis melo

Published Data

A search of the literature showed three relevant papers (PMIDs 14533664,11080722, 12801320) for Cucumis melo. All three of the papers reported skin prick and oral challenges with melon. Two of the three papers used melon pulp instead of melon extracts for skin prick tests. However, the third paper used three different extracts on over 60 people. They showed a wide range of positive results: 12%, 19% or 90% of melon allergic patients responded positively to prick tests. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

Documents	PubMed Number	Author	Year Published
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003
217_ J Allergy Clin Immunol 106 - 968.pdf	11080722	Rodriguez, J.	2000
217_ Clin Exp Allergy 33 - 827.pdf	12801320	Cuesta-Herranz, J.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **234 - Food - Plant Source, Melon, Crenshaw**

Recommended Scientific Name Cucumis melo

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed search: Crenshaw allergy
ISI search: Crenshaw and allergy
Google search: Crenshaw melon allergy

Nomenclature

The genus and species Cucumis melo encompasses many melons. The Cucumis melo melo (subspecies) is further divided into several cultivar groups, including the cantalupensis group, which includes the true cantaloupes. Another cultivar group is the inodorus group, which includes both the crenshaw and honeydew melons. (http://en.wikipedia.org/wiki/Melon) Therefore, All papers found for cucumis melo for the honeydew search are used for this extract. The summary below is from the honeydew and cantaloupe files. The labelling should be changed to Cucumis melo (crenshaw).

Parent Product

234 - Food - Plant Source, Melon, Crenshaw

Published Data

A search of the literature showed three relevant papers for Cucumis melo. All three of the papers reported skin prick and oral challenges with melon. PMIDs 11080722, 12801320 used melon pulp instead of melon extracts for skin prick tests. However, PMID 14533664 used three different extracts on over 60 people. The result was a wide range of positive responses: 12%, 19% or 90% of melon allergic patients responded positively to prick tests with the different melon extracts. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

Documents	PubMed Number	Author	Year Published
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003
217_ J Allergy Clin Immunol 106 - 968.pdf	11080722	Rodriguez, J.	2000
217_ Clin Exp Allergy 33 - 827.pdf	12801320	Cuesta-Herranz, J.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **235 - Food - Plant Source, Millet Setaria sp.**

Recommended Scientific Name Setaria, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Millet allergy; Setaria allergy; Setaria italica allergy; Setaria and Millet and allergy
ISI: Millet and allergy; Setaria allergy
Google: Millet allergy; Millet allergy adverse; Millet allergen; Millet allergen adverse; same search results performed for Setaria

Nomenclature

"The millets are a group of small-seeded species of cereal crops, widely grown around the world for food and fodder. They do not form a taxonomic group, but rather a functional or agronomic one, based on similar characteristics and uses." The major millets are: Pennisetum glaucum, Setaria italica, Panicum miliaceum, and Eleusine coracana. (http://en.wikipedia.org/wiki/Millet). There are dozens of Setaria species of plants on the usda web site. (http://www.plants.usda.gov/)

According to ITIS, there are two varieties and 38 species within the genus of Setaria. The Setaria genus is found in the Poaceae family.

Parent Product

235 - Food - Plant Source, Millet Setaria sp.

Published Data

Even if this product refers to Setaria italica, there were no supportive data identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **236 - Food - Plant Source, Mint Mentha spicata**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed search: spearmint allergy; Mentha spicata allergy
ISI search: spearmint and allergy; Mentha and spicata and allergy
Google: spearmint allergy; spearmint allergy adverse; spearmint allergen; spearmint allergen adverse; same search results performed for Mentha spicata

Nomenclature

According to ITIS, the scientific name, Mentha spicata, is correct and current. The common names are bush mint and spearmint. Synonyms are listed as menthe cordifolia, Mentha longifolia, and Mentha viridis. The Mentha genus is found in Lamiaceae family.

Parent Product

236 - Food - Plant Source, Mint Mentha spicata

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **237 - Food - Plant Source, Mushroom Agaricus campestris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

Pubmed: Mushroom allergy; Agaricus campestris allergy; Agaricus allergy; Agaricus campestris; mushroom food allergy; Champignon allergy
ISI search: mushroom allergy; Champignon allergy
Google: Agaricus campestris allergy

Nomenclature

According to ITIS, there are eight orders of fungi in the class Basidiomycetes, they are: Agaricales, Auriculariales, Boletales, Cantharellales, Lycoperdales, Melanogastrales, Sclerodermatales, and Tremellales. Agaricus campestris is also called the meadow mushroom and can be frequently found growing on lawns. (http://www.perspective.com/nature/fungi/agaricus.html) This fungus is edible. (http://userwww.sfsu.edu/~ded/Pastures/A_campestris.html). There are other edible mushrooms that are related: Agaricus augusts, Agaricus bisporus. There are also related poisonous mushrooms: Agaricus xanthodermus, Agaricus praeclaresquamosus. The meadow mushroom can also be called Champignon. (http://www.perspective.com/nature/fungi/agaricus.html)

Parent Product

237 - Food - Plant Source, Mushroom Agaricus campestris

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **238 - Food - Plant Source, Mustard Greens Brassica juncea**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Mustard Greens allergy; Mustard Green allergy; Brassica juncea allergy
ISI search: Mustard Greens allergy; Brassica juncea allergy; mustard green allergy
Google: mustard green allergy

Nomenclature

According to ITIS, the scientific name, Brassica juncea, is correct and current. Common names are Chinese mustard, India mustard, and Indian mustard. Synonyms are Brassica integrifolia, Brassica integrifolia, Brassica japonica, Brassica juncea var. crispifolia, Brassica juncea var. japonica, Brassica wildenowii, Sinapis juncea. The Brassica genus is in the Brassicaceae family.

Parent Product

238 - Food - Plant Source, Mustard Greens Brassica juncea

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **239 - Food - Plant Source, Mustard Seed Brassica spp.**

Recommended Scientific Name Brassica nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: mustard seed allergy; Brassica allergy
ISI search: mustard and allergy; Brassica and allergy
Google: mustard seed allergy; mustard seed allergy adverse; mustard seed allergen; mustard seed allergen adverse; same search results performed for Brassica

Nomenclature

According to ITIS, there are two varieties and nineteen species within the Brassica genus. The Brassica genus is in the Brassicaceae family. ITIS lists Brassica hirta as the currently unaccepted name for Sinapis alba.

Parent Product

239 - Food - Plant Source, Mustard Seed Brassica spp.

Published Data

B. nigra was commonly used as mustard seed until the 1950s, but it was replaced by B. juncea because the seeds of B. nigra could not be harvested mechanically. http://www.ienica.net/crops/mustards.htm
PMID 15575930 discusses use of extracts of S. alba for SPT and prick-prick testing. A mustard sauce was used to evaluate mustard allergy by SBPCFC. A rate of 42% mustard allergy was found. Two papers (PMIDs 12197573, 1416267) deal with unmixed B. nigra extracts. From these papers there were a total of 31 people that reported mustard allergy. All tested positive to extracts of B. nigra, and had B. nigra specific IgE.

Documents	PubMed Number	Author	Year Published
239_ Allergy 60 -48.pdf	15575930	Figueroa, J.	2005
239_ Ann Allergy Asthma Immunol 89 - 166.pdf	12197573	Caballero, T.	2002
239_ Annals of Allergy 69 -317.pdf	1416267	Monreal, P.	1992

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **240 - Food - Plant Source, Nectarine Prunus persica**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: nectarine allergy; Prunus persica allergy
ISI search: tangerine and allergy
Google: nectarine allergy; nectarine allergy adverse; nectarine allergen; nectarine allergen adverse; same search results performed for Prunus persica

Nomenclature

Nectarine is the same genus and species as peach. ("The nectarine is a Cultivar Group of peach that has a smooth, fuzzless skin." http://en.wikipedia.org/wiki/Peach)
According to ITIS, the scientific name, Prunus persica, is correct and current. The common name is peach. Synonyms are Amygdalus persica and Persica vulgaris. Two varieties of Prunus persica are listed: nucipersica and persica. The Prunus genus is found in the Rosaceae family.

Parent Product

240 - Food - Plant Source, Nectarine Prunus persica

Published Data

Federal Register sites two papers (from the 1940's) that demonstrated positive skin test reactions to fresh peach extract. (50, 15, page 3246).
In PMID 15612787 ten people have positive SPT to peach. However, fresh peach was used for the SPT, not peach extracts.
In PMID 15947476 twenty-seven subjects had positive reaction to peach skin and / or pulp.
In PMID 10887323 subjects were skin tested using the prick-prick method with fresh fruit provided by the subject.
Peach leaf extract was positive in one subject in PMID 14987310.
In PMID 12269944, sixty-five patients were skin prick tested with fresh peach.
Seven subjects had positive reactions to commercial extracts of peach in PMID 10582717.
In PMID 21337912 SPT with frozen peach, fresh peach, and commercial peach extracts were compared.

Documents	PubMed Number	Author	Year Published
259_ J Agric Food Chem 52 - 7997.pdf	15612787	Brenna, O.V.	2004
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000
259_ Clin Exp Allergy 34-291.pdf	14987310	Garcia, B.E.	2004
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
259_ Asian Pac J Allergy Immunol 28 - 275.pdf	21337912	Garriga T	2010

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **241 - Food - Plant Source, Nutmeg Myristica fragans**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: nutmeg allergy; Myristica fragans allergy
ISI search: nutmeg allergy; Myristica fragans allergy
Google: nutmeg allergy; nutmeg allergy adverse; nutmeg allergen; nutmeg allergen adverse; same search results performed for Myristica fragrans

Nomenclature

According to ITIS, the scientific name, Myrsitica fragrans, is correct and current. Common name is nutmeg. The scientific and common names are correct and current. Synonym is Myristica officinalis. The Myristica genus is found in Myristicaceae family.

Parent Product

241 - Food - Plant Source, Nutmeg Myristica fragans

Published Data

A review of the literature revealed a few papers on nutmeg allergy. The three papers reviewed (PMID 1957997, 8299390, 8738518) all used nutmeg to test for allergic response in the form of a suspension in PBS, white petrolatum, or plain in a scratch test. No challenges were performed. Only one person tested for nutmeg specific IgE reacted positively, and it was a weak response.

Documents	PubMed Number	Author	Year Published
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
230_ Allergy 51 - 117.pdf	8738518	Sastre, J.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **242 - Food - Plant Source, Oat Avena sativa**

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: oat allergy; Avena sativa allergy
ISI search: oat allergy; avena allergy
Google: oat allergy

Nomenclature

When oats are harvested they have a hull that surrounds the bran, germ, and endosperm. The outer hull is inedible and is removed prior to the milling process. After the grain is hulled, the bran, germ and endosperm remain.
http://www.namamillers.org/prd_o_mill.html

According to ITIS, the scientific name, Avena sativa, is correct and current. The common names are common oat, oat, oatgrass, wild oats. Synonyms are listed as Avena byzantine, Avena fatua var. sativa, Avena hybrida, and Avena sativa var. orientalis. The Avena genus is found in Poaceae family.

Parent Product

242 - Food - Plant Source, Oat Avena sativa

Related Products

329 - Food - Plant Source, Whole Grain Oat

Published Data

In PMID 8581843, oat suspensions were used rather than extracts, so this paper is not supportive of use of oat extracts for diagnosis of oat disease. In PMID 7560636, 29 individuals were skin prick tested with oat extracts, 18 gave a positive result. DBPCFC was performed on all 18, but only 5 gave a positive result.

Documents	PubMed Number	Author	Year Published
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **243 - Food - Plant Source, Oat Grain Avena spp.**

Recommended Scientific Name Avena, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: oat grain allergy; Avena allergy; avena sativa grain allergy
ISI search: avena and allergy
Google: oat grain allergy; oat grain allergy adverse; oat grain allergen; oat grain allergen adverse; same search results performed for Avena

Nomenclature

According to ITIS, there are two subspecies and nine species within the Avena genus. The Avena genus is found in Poaceae family.

Parent Product

243 - Food - Plant Source, Oat Grain Avena spp.

Published Data

In PMID 8581843, oat suspensions were used rather than extracts, so this paper is not supportive of use of oat extracts for diagnosis of oat disease. In PMID 7560636, 29 individuals were skin prick tested with oat extracts, 18 gave a positive result. DBPCFC was performed on all 18, but only 5 gave a positive result.

Documents	PubMed Number	Author	Year Published
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **244 - Food - Plant Source, Okra Abelomoschus esculentus**

Recommended Scientific Name Abelmoschus esculentus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: okra allergy English; Abelomoschus esculentus allergy English
ISI search: Okra allergy; Abelomoschus esculentus
Google: okra allergy; okra allergy adverse; okra allergen; okra allergen adverse; same search results performed for Abelomoschus esculentus; Abelmoschus esculentus

Nomenclature

According to ITIS, the current spelling of Abelomoschus esculentus is Abelmoschus esculentus. Common name is okra. Synonym is Hibiscus esculentus. The Abelmoschus genus is found in the Malvaceae family.

Parent Product

244 - Food - Plant Source, Okra Abelomoschus esculentus

Published Data

PMID 8344229 describes the use of okra extracts for intradermal testing, and the results are positive. Okra extract is also used for nasal challenge, the results of which are also positive. No oral challenge is done, but these individuals were exposed to okra allergens by inhalation of dust in a picking and packing plant.

Documents	PubMed Number	Author	Year Published
244_ Environ Res 62 - 189.pdf	8344229	Ueda, A.	1993

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **245 - Food - Plant Source, Olive, Black**

Recommended Scientific Name Olea Europaea

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: olive allergy English; black olive allergy
ISI search: olive allergy; olive allergy not pollen:
Google: olive allergy; olive allergy adverse; olive allergen; olive allergen adverse

Nomenclature

A black olive is a green olive that has become fully ripe on a tree. According to ITIS, there is only one species within the Olea genus: Olea Europaea. There are two subspecies of O. europaea: Africana and europaea. The Olea genus if found in the Oleaceae family.

Parent Product

245 - Food - Plant Source, Olive, Black

Published Data

Although there are many papers about allergy to olive tree pollen, only one paper was found about allergy to olives.

PMID 15080844 admits to being the only paper the author is aware of on allergy to olives. Prick-prick tests with olives, not extracts, yielded a positive response.

Documents	PubMed Number	Author	Year Published
246_ Allergy 59 - 559.pdf	15080844	Azofra, J.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **246 - Food - Plant Source, Olive, Green Olea europaea**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: olive allergy English; green olive allergy; Olea europaea allergy; Olea europaea olive allergy; olive allergy not pollen; olive food allergy
ISI search: olive and allergy; olive and allergy not pollen
Google: olive allergy; olive allergy adverse; olive allergen; olive allergen adverse

Nomenclature

According to ITIS, the scientific name, Olea europaea, is common and current. There are two subspecies of O. europaea: Africana and europaea. The Olea genus if found in the Oleaceae family.

Parent Product

246 - Food - Plant Source, Olive, Green Olea europaea

Published Data

Although there are many papers about allergy to olive tree pollen, only one paper was found about allergy to olives. PMID 15080844 admits to being the only paper the author is aware of on allergy to olives. Prick-prick tests with olives, not extracts, yielded a positive response.

Documents	PubMed Number	Author	Year Published
246_ Allergy 59 - 559.pdf	15080844	Azofra, J.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **247 - Food - Plant Source, Onion Allium cepa (or cepa var. cepa)**

Recommended Scientific Name Allium cepa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: onion allergy English; Allium cepa allergy; allium cepa onion allergy
ISI search: onion and allergy
Google: onion allergy; onion allergy adverse; onion allergen; onion allergen adverse; same search results performed for Allium cepa

Nomenclature

According to ITIS, the scientific name, Allium cepa, is correct and current. The common name is garden onion. Two varieties of Allium cepa are listed: cepa and viviparum. The Allium genus is found in the Liliaceae family.

The genus Allium includes onion, leek, elephant garlic, chives, and shallots. Yellow, red and white onions are all varities of Allium cepa. Wikipedia notes that when the term 'onion' is used without a species designation it almost always refers to allium cepa. (http://en.wikipedia.org/wiki/Onion)

Parent Product

247 - Food - Plant Source, Onion Allium cepa (or cepa var. cepa)

Published Data

Two case reports (PMIDs 10753025 and 11270091) were found with individuals having allergic reactions after eating onions. They were both skin prick test positive to onion extracts and onion specific IgE was found in their sera through in vitro analysis.

Documents	PubMed Number	Author	Year Published
247_ J Allergy Clin Immunol 108 - 309.pdf	11496255	Asero, R.	2001
203_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000
222_ Allergy 57 - 752.pdf	12121198	Pérez-Calderón, R.	2002
247_ Allergol Immunopath 28 - 287.doc	11270091	Arena, A.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **248 - Food - Plant Source, Onion Allium spp.**

Recommended Scientific Name Allium, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: onion allergy English; Allium allergy
Google: onion allergy; onion allergy adverse; onion allergen; onion allergen adverse; same search results performed for Allium

Nomenclature

According to ITIS, there are two varieties, one subspecies, and more than one hundred species within then Allium genus. The Allium genus is found in the Liliaceae family.

Parent Product

248 - Food - Plant Source, Onion Allium spp.

Published Data

PMIDs 12121198 and 10753025 demonstrate that hypersenstivity to onion has been described as a cause of contact dermatitis, rhinoconjunctivitis and asthma induced by handling of onions. However few publications in the literature report allergic reactions due to onion ingestion

Documents	PubMed Number	Author	Year Published
222_ Allergy 57 - 752.pdf	12121198	Pérez-Calderón, R.	2002
203_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIB	Category I
Therapy:	Category II	Category II

Product: **249 - Food - Plant Source, Orange Citrus sinensis**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: orange allergy English; Citrus sinensis allergy
Google: orange allergy; orange allergy adverse; orange allergen; orange allergen adverse; same search results performed for Citrus sinensis

Nomenclature

According to ITIS, the scientific name, Citrius sinensis, is correct and current. Common names are orange and sweet orange. Synonym is Citrus aurantium var. sinensis. The Citrus genus is found in the Rutaceae family.

Parent Product

249 - Food - Plant Source, Orange Citrus sinensis

Published Data

Panel I references a paper that identifies a patient who anaphylaxed in response to orange juice and later skin tests positive to orange extract.
Two papers (PMIDs 14713927 and 15947476) were found that analyzed several people with allergy to orange. In both papers patients were orally challenged with orange or orange juice. In one of the papers orange extract was used for prick tests and all 6 patients gave a positive response. The other paper used orange pulp for prick-prick tests. Combine that with Panel I's referenced paper that also had a positive response to orange extract, this produc is considered effective.

Documents	PubMed Number	Author	Year Published
223_ J Allergy Clin Immunol 113 - 175.pdf	14713927	Ibáñez, M.D.	2004
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **250 - Food - Plant Source, Orange, Mandarine, Tangerine**

Recommended Common Name Orange, Tangerine

Recommended Scientific Name Citrus reticulata

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: orange allergy English
Google: orange allergy; orange allergy adverse; orange allergen; orange allergen adverse; same search results performed for mandarine, tangerine

Nomenclature

Orange is Citrus sinensis, tangerine is a hybrid of two different species of Citrus (deliciosa and reticulata) and is a type of manderine orange. According to ITIS, tangerine is Citrus reticulata, with the synonym of Citrus nobilis. The Citrus genus is found in the Rutaceae family.

Parent Product

250 - Food - Plant Source, Orange, Mandarine, Tangerine

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **251 - Food - Plant Source, Oregano Origanum vulgare**

Recommended Common Name Oregano

Recommended Scientific Name Orignaum vulgare

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: oregano allergy English; Origanum vulgare allergy
ISI search: oregano allergy; Origanum vulgare allergy
Google: oregano allergy; oregano allergy adverse; oregano allergen; oregano allergen adverse; same search results performed for Origanum vulgare

Nomenclature

According to ITIS, the scientific name, Orignaum vulgare, is correct and current. The common name is oregano. The Origanum genus is found in the Lamiaceae family.

Parent Product

251 - Food - Plant Source, Oregano Origanum vulgare

Published Data

One paper PMID 8630713) was found on the usefullness of oregano extract in the diagnosis of allergy to oregano. This paper discusses one individual but no oral challenges were performed.

Documents	PubMed Number	Author	Year Published
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
251_ Ann Allergy Asthma Immunol 76 - 416.pdf	8630713	Benito, M.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **252 - Food - Plant Source, Papaya Carica papaya**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: papaya allergy English; Carica papaya allergy
ISI search: papaya allergy
Google: papaya allergy; papaya allergy adverse; papaya allergen; papaya allergen adverse; same search results performed for Carica papaya

Nomenclature

According to ITIS, the scientific name, Carica papaya, is correct and current. Common names are papaya and pawpaw. Synonym is listed as Papaya carica. The Carica genus is found in the Caricaceae family.

Parent Product

252 - Food - Plant Source, Papaya Carica papaya

Published Data

Two papers (PMIDs 15298566, 12866323) were found that looked at the coincidence of fruit allergy and latex allergy. Latex-allergic individuals were tested for a reaction to papaya fruit, in one paper, and papaya fruit extract, in another paper. In the paper that used papaya extracts, three people had a reaction to the papaya extracts, but only reported having an allergic reaction to eating papaya.

Documents	PubMed Number	Author	Year Published
201_ Clin Exp Allergy 34 - 1251.pdf	15298566	Hemmer, W.	2004
252_ Allergy Asthma Proc 24 - 193.pdf	12866323	Isola, S.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **253 - Food - Plant Source, Paprika Capsicum annuum**

Recommended Common Name Pepper, Cayenne

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: paprika allergy English; Capsicum annuum allergy
Google: paprika allergy; paprika allergy adverse; paprika allergen; paprika allergen adverse; same search results performed for Capsicum annuum

Nomenclature

According to ITIS, the scientific name is Capsicum annuum. The common name is cayenne pepper. The scientific name is correct and current. The common name needs to be updated. There are two varieties of Capsicum annuum listed: annuum and glabriusculum. The Capsicum genus is found in the Solanaceae family.

Based on AllAllergy, paprika is a powder made by finely grinding dried ripe red pepper pods (capsicum annuum). (http://www.allallergy.net/fapaidfind.cfm?cdeoc=137).

Parent Product

253 - Food - Plant Source, Paprika Capsicum annuum

Published Data

There are a few papers on tests with paprika extracts. One paper (PMID 7552932) shows that 8 of 12 people that respond to native paprika also respond to paprika extract, but they do not tell us if these people were actually allergic to paprika. Another paper (PMID 9652302) shows that 3 of 11 people allergic to pepper and/or paprika had reactions to paprika extract. And a third paper (PMID 2719178) shows that 5% w/v extract of paprika elicits a weaker response than does native paprika. This paper also reports that SPTs and RAST results for IgE are consistent.

Documents	PubMed Number	Author	Year Published
253_ Environ Res 47 - 95.pdf	3168968	Zuskin, E.	1988
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
253_ Allergy 53 - 36.pdf	9491227	Leitner, A.	1998
266_ Int Arch Allergy Immunol 116 - 103.pdf	9652302	Jensen-Jarolim, E.	1998
263_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **254 - Food - Plant Source, Paprika Capsicum tetragonum**

Recommended Common Name Aji

Recommended Scientific Name Capsicum chinense

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: paprika allergy English; Capsicum tetragonum allergy
ISI search: tetragonum and allergy
Google: paprika allergy; paprika allergy adverse; paprika allergen; paprika allergen adverse; same search results performed for Capsicum tetragonum

Nomenclature

ITIS and PLANTS database do not mention tetragonum at all under capsicum.The only tetragonum is Cosmarium tetragonum, a green algae. Some non-scientific sites do refer to Capsicum tetragonum as a synonym for Capsicum chinense. (http://www.g6csy.net/chile/var-chi.html). According to ITIS, the common name of Capsicum chinense is aji. The Capsicum genus is found in the Solanaceae family.

Parent Product

254 - Food - Plant Source, Paprika Capsicum tetragonum

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **255 - Food - Plant Source, Parsley Petroselinum crispum**

Recommended Common Name Parsley

Recommended Scientific Name Petroselinum crispum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PupMed: parsley allergy English; Petroselinum crispum allergy
ISI search: parsley allergy; Petroselinum crispum allergy
Google: parsley allergy

Nomenclature

According to ITIS, the scientific name, Petroselinum crispum, is correct and current. The common name is parsley. Synonyms are listed as: Apium petroselinum, Carum petroselinum, Petroselinum hortense, Petroselinum sativum, and Petroselinum vulgare. The Petroselinum genus is found in the Apiaceae family.

Parent Product

255 - Food - Plant Source, Parsley Petroselinum crispum

Published Data

Only one paper (PMID 12027075) addressed potential allergy to parsley. The patient was skin prick tested to fresh extracts of parsley and several spices. The patient had positive skin response to the spices, but not to parsley. The patient did not have parsley specific IgE. From this paper we can conclude that the patient either did not have a parsley allergy, or the reagents are too weak to detect it. No parsley challenges were performed.

Documents	PubMed Number	Author	Year Published
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **256 - Food - Plant Source, Parsnip Pastinaca sativa**

Recommended Common Name Parsnip, Wild

Recommended Scientific Name Pastinaca sativa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: parsnip allergy (limited English); Pastinaca sativa allergy
ISI searches: parsnip allergy
Google: parsnip allergy; parsnip allergy adverse; parsnip allergen; parsnip allergen adverse; same search results performed for Pastinaca sativa

Nomenclature

According to ITIS, the scientific name, Pastinaca sativa, is correct and current. The common name is wild parsnip. Synonym is Pastinaca sativa var. pratensis.

Parent Product

256 - Food - Plant Source, Parsnip Pastinaca sativa

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **257 - Food - Plant Source, Pea, Blackeye Vigna sinensis**

Recommended Scientific Name Vigna unguiculata

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pea allergy English; Vigna sinensis allergy; Blackeye pea allergy; Vigna unguiculata allergy; cowpea allergy
ISI search: pea and allergy; Vigna sinensis allergy; blackeye pea allergy; black eye pea allergy; black-eye allergy; Vigna unguiculata allergy
Google: black eye pea allergy; Vigna unguiculata; Vigna sinensis allergy

Nomenclature

According to ITIS, the current name of Vigna sinensis is Vigna unguiculata. The common name is blackeyed pea. The common name is correct and current. The scientific name needs to be updated. Synonym is Vigna sinensis. Four subspecies of Vigna unquiculata are cylindrical, dekindtiana, sesquipedalis, and unquiculata. The Vigna genus is found in the Fabaceae family.

Parent Product

257 - Food - Plant Source, Pea, Blackeye Vigna sinensis

Published Data

One paper (PMID 12546052) was found that looked at allergy to V. sinensis. In this paper, extracts of V. sinensis were prepared, the extracts were separated by sephadex chromatography, and patients were prick tested with each of four fractions. All the patients responded to the albumin-containing fraction.

Documents	PubMed Number	Author	Year Published
257_ Asn Pac J of Allergy and Immunol 18 - 9.pdf	12546052	Rao, T.R.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **258 - Food - Plant Source, Pea, Green or English Pisum sativum**

Recommended Common Name Pea, Garden

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Pisum sativum allergy; Pea allergy
Google: pea allergy; pea allergy adverse; pea allergen; pea allergen adverse; same search results performed for Pisum sativum

Nomenclature

According to ITIS, the scientific name is Pisum sativum. The common name is garden pea. The scientific name is correct and current. The common name needs to be updated. Synonyms are: Pisum arvense, P. humile, P. sativum ssp. Arvense, P. sativum var. arvense, P. sativum var. humile, and P. sativum var. macrocarpon. The Pisum genus is found in the Fabaceae family.

Parent Product

258 - Food - Plant Source, Pea, Green or English Pisum sativum

Published Data

In paper (PMID 12589366), a single patient that had suffered from severe allergy to pea reacted positively to a skin prick test with pea extract and had pea-specific IgE as determined by CAP analysis.

In paper (PMID 15544600) eighteen subjects were selected pased on clinical history of pea (Pisum sativum) allergy confirmed by positive open food challenge to legume, high specific serum IgE levels (>3.9kU/L) to pea, and positive skin prick test responses to pea.

Panel I (pg 3246) also refers to a paper from 1975 by Malley, A. et al. The paper describes direct skin tests were performed on 10 pea-allergic people with pea extract and the albumin-containing fraction of the pea extract. In addition, passive transfer test were performed with the sera of several individuals and found to be positive.

Documents	PubMed Number	Author	Year Published
258_ Clin Exp Allergy 34 - 1747.pdf	15544600	Sanchez-Monge, R.	2004
258_ J Allergy Clin Immunol 111 - 420.pdf	12589366	Wensing, M.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **259 - Food - Plant Source, Peach Prunus persica**

Recommended Common Name Peach

Recommended Scientific Name Prunus persica

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: peach allergy English; Prunus persica allergy
Google: peach allergy; peach allergy adverse; peach allergen; peach allergen adverse; same search results performed for Prunus persica

Nomenclature

According to ITIS, the scientific name, Prunus persica, is correct and current. The common name is peach. Synonyms are Amygdalus persica and Persica vulgaris. Two varieties of P. persica are listed: nucipersica and persica. The Prunus genus is found in the Rosaceae family.

Parent Product

259 - Food - Plant Source, Peach Prunus persica

Published Data

Panel I sites two papers (from the 1940's) that demonstrated positive skin test reactions to fresh peach extract. (Refs 50, 15, page 3246).
In PMID 15612787, ten people have positive SPT to peach. However, fresh peach was used for the SPT, not peach extracts.
In PMID 15947476, twenty-seven subjects had positive reaction to peach skin and / or pulp.
In PMID 10887323, subjects were skin tested using the prick-prick method with fresh fruit provided by the subject.
Peach leaf extract was positive in one subject in PMID 14987310.
In PMID 12269944, sixty-five patients were skin prick tested with fresh peach.
Seven subjects had positive reactions to commercial extracts of peach in PMID 10582717.
In PMID 21337912, SPT with frozen peach, fresh peach, and commercial peach extracts were compared.

Documents	PubMed Number	Author	Year Published
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005
259_ J Agric Food Chem 52 - 7997.pdf	15612787	Brenna, O.V.	2004
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000
259_ Clin Exp Allergy 34-291.pdf	14987310	Garcia, B.E.	2004
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
259_ Asian Pac J Allergy Immunol 28 - 275.pdf	21337912	Garriga T	2010

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **260 - Food - Plant Source, Peanut Arachis hypogaea**

Recommended Common Name Peanut

Recommended Scientific Name Arachis hypogaea

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: peanut allergy English; Arachis hypogaea allergy (limit English); peanut allergy controlled study (limit English)
Google: peanut allergy; peanut allergy adverse; peanut allergen; peanut allergen adverse; same search results performed for Arachis hypogaea

Nomenclature

According to ITIS, the scientific name, Arachis hypogaea, is correct and current. The common name is peanut. The Arachis genus is found in the Fabaceae family.

Parent Product

260 - Food - Plant Source, Peanut Arachis hypogaea

Published Data

Peanut allergy is very common. Peanut and tree nut allergies affect about 1% of the population, or about 3 million Americans. I have read over three reviews and it is clear that peanut extract is routinely used for diagnosis of peanut allergy.
Skin prick tests combined with IgE assays can be 95-100% predictive of peanut allergy.

Documents	PubMed Number	Author	Year Published
260_ Allergy and Asthma Proc 24 - 259.pdf	12974192	Lee, C.W.	2003
260_ Ann Allergy Asthma Immunol 88 - 350.pdf	11991552	Sicherer, S.H.	2002
260_ CMAJ 168 - 1279.pdf	12743075	Al-Muhsen, S.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **261 - Food - Plant Source, Pear Pyrus communis**

Recommended Common Name Pear

Recommended Scientific Name Pyrus communis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pear allergy English; Pyrus communis allergy
ISI search: pear allergy
Google: pear allergy

Nomenclature

There are about 30 species of pear, all of which are of the species Pyrus. Several of these are edible (http://en.wikipedia.org/wiki/Pear). The species name is required before pear related data can be used to support efficacy of diagnosis.

According to ITIS, the scientific name, Pyrus communis, is correct and current. The common names are common pear and pear. The Pyrus genus is found Rosaceae family.

Parent Product

261 - Food - Plant Source, Pear Pyrus communis

Published Data

In both papers (PMIDs 12173271 and 10887323) listed below, fresh fruits were used for skin prick tests.

Documents	PubMed Number	Author	Year Published
259_ Allergy 57 s - 53.pdf	12173271	Florido Lopez, J.F.	2002
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **262 - Food - Plant Source, Pecan Carya illinoensis**

Recommended Common Name Pecan

Recommended Scientific Name Carya illinoinensis

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pecan allergy English; Carya illinoensis allergy; Carya illinoinensis allergy
Google: pecan allergy; pecan allergy adverse; pecan allergen; pecan allergen adverse; same search results performed for Carya illinoensis

Nomenclature

According to ITIS, the correct spelling of Carya illinoensis is Carya illinoinensis. The common name is pecan. Synonyms are Carya oliviformis, Carya pecan, and Hicoria pecan. The Carya genus is found in the Juglandaceae family. Carya illinoinensis is the only pecan plant according to the national plant database, and so all of the pecan articles should be valid.
http://www.plants.usda.gov/java/nameSearch

Parent Product

262 - Food - Plant Source, Pecan Carya illinoensis

Published Data

One paper in which pecan extract were used to identify pecan allergy. A patient described allergic responses to pecan, almond, and walnut. Skin prick tests with all three extracts gave positive results.
In a second paper, cross-reactivity between different nut types are described. ELISA inhibition studies detected strong cross-reactivity between walnut and pecan. Walnut (product 319) is a class I extract.

Documents	PubMed Number	Author	Year Published
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **263 - Food - Plant Source, Pepper, Black Piper nigrum**

Recommended Common Name Pepper, Black

Recommended Scientific Name Piper nigrum

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pepper allergy English; Piper nigrum allergy
Google: black-white pepper allergy; black-white pepper allergy adverse; black-white pepper allergen; black-white pepper allergen adverse; same search results performed for Piper nigrum

Nomenclature

According to ITIS, Piper nigrum is the current scientific name. The common name is black pepper. The Piper genus is found in the Piperaceae family.

Black pepper is produced from the still-green unripe berries of the pepper plant. The berries are cooked briefly in hot water, both to clean them and to prepare them for drying. The heat ruptures cell walls in the fruit, speeding the work of browning enzymes during drying. The berries are dried in the sun or by machine for several days, during which the fruit around the seed shrinks and darkens into a thin, wrinkled black layer around the seed. Once dried, the fruits are called black peppercorns. White pepper consists of the seed only, with the fruit removed. This is usually accomplished by allowing fully ripe berries to soak in water for about a week, during which time the flesh of the fruit softens and decomposes. Rubbing then removes what remains of the fruit, and the naked seed is dried. There are also Green peppercorns. Green peppercorns are also Piper nigrum. They are treated in a way to preserve their green color such as freeze-drying or treatment with sulfur dioxide. (http://en.wikipedia.org/wiki/Black_pepper and http://en.wikipedia.org/wiki/Piper_nigrum)

Parent Product

263 - Food - Plant Source, Pepper, Black Piper nigrum

Published Data

Two papers that addressed black pepper allergy. PMID 14635474: A woman developed allergic symptoms to pepper and had positive skin prick tests to both black and white pepper extracts. The patient had positive conjunctival challenge tests results to white pepper extract; where as, five atopic patients had negative conjuntival challenge test results.
PMID 9491227: The second paper shows in vitro cross-reactivity between pepper and birch and mugwort pollens. However, in this paper a combination of green and black peppercorn extracts were used.

Documents	PubMed Number	Author	Year Published
263_ J Investig Allergol Immunol 13 -213.pdf	14635474	Arias Irigoyen, J.	2003
253_ Allergy 53 - 36.pdf	9491227	Leitner, A.	1998

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **264 - Food - Plant Source, Pepper, Black-White Piper nigrum**

Recommended Common Name Pepper, Black

Recommended Scientific Name Piper nigrum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pepper allergy English; Piper nigrum allergy
Google: black-white pepper allergy; black-white pepper allergy adverse; black-white pepper allergen; black-white pepper allergen adverse; same search results performed for Piper nigrum

Nomenclature

According to ITIS, the scientific name, Piper nigrum is correct and current. The common name is black pepper. The Piper genus is found in the Piperaceae family.

The difference between black pepper and white pepper are a difference of when the berry is picked and how it is processed. Black pepper is from unripe berries, and the exterior is blackened through oxidation. White pepper is from mature berries and the exterior is removed during the drying process.
Reference: http://www.kalsec.com/products/bandwpepper_over.cfm

Parent Product

264 - Food - Plant Source, Pepper, Black-White Piper nigrum

Published Data

Four papers (PMIDs 1957997, 2411778, 2719178, 14635474) that tested for white pepper allergy. Two papers used powdered spices for scratch tests or prick test. Two papers looked at white pepper extracts. One of these compared skin reactions between powdered spices and spice extracts. In each case the powdered spices gave a stronger reaction than the extracts. When IgE levels were compared to the reaction levels, it was found that white pepper reactivity did not correlate well with white pepper specific IgE levels. In another paper a pepper allergic individual was skin prick tested with black and white pepper extracts. The individual responded to both. Conjuntival challenges were also performed with dilutions of the white pepper extract. The patient responded to a 1:100 dilution, controls did not respond to a 1:1 dilution.

Documents	PubMed Number	Author	Year Published
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
204_ J ALlergy Clin Immunol 76 - 477.pdf	2411778	van Toorenenbergen,	1985
263_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989
263_ J Investig Allergol Immunol 13 -213.pdf	14635474	Arias Irigoyen, J.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **265 - Food - Plant Source, Pepper, Green (bell), Piper sp.**

Recommended Scientific Name Piper, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: pepper allergy English; green pepper allergy; green pepper bell allergy
Google: bell pepper allergy; bell pepper allergy adverse; bell pepper allergen; bell pepper allergen adverse; same search results performed for Piper

Nomenclature

According to ITIS, there are thirty species within the Piper genus. The Piper genus is found in the Piperaceae family.

Parent Product

265 - Food - Plant Source, Pepper, Green (bell), Piper sp.

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **266 - Food - Plant Source, Pepper, Green Capsicum annuum var.annuum**

Recommended Common Name Pepper, Cayenne

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: pepper allergy English; green pepper allergy; capsicum allergy; Capsicum annuum allergy
ISI search: capsicum allergy
Google: green pepper allergy; green pepper allergy adverse; green pepper allergen; green pepper allergen adverse; same search results performed for Capsicum annuum

Nomenclature

According to ITIS, the scientific name is Capsicum annuum var. annuum. The common name is cayenne pepper. The scientific name is correct and current. The common name needs to be updated. Synonyms are Capsicum annuum var. frutescens and Capsicum frutescens. The Capsicum genus is found in the Solanaceae family.

Parent Product

266 - Food - Plant Source, Pepper, Green Capsicum annuum var.annuum

Published Data

There is no data showing fresh (not powdered) C. annuum extracts used for diagnosis of pepper allergy. C. annuum is frequently cited as being in the latex-fruit allergy syndrome. This was first noted in an individual that was allergic to latex, and became allergic to peppers (contact dermatitis).

A second paper looked at 74 children with atopy. Twelve of these children had latex specific IgE. When compared with 20 of the children that did not have latex-specific IgE, there was an increased number of kids who had IgE to pepper, tomato, potato, and avocado. Inhibition studies showed that preincubation of patient sera with sweet pepper extract could inhibit IgE binding of latex extract in 3 of 9 patients. In a third paper, preincubation of patient sera with bell pepper extract resulted in a decreased binding of IgE to latex extracts in 2 out of 3 patients.

Documents	PubMed Number	Author	Year Published
266_ Int Arch Allergy Immunol 116 - 103.pdf	9652302	Jensen-Jarolim, E.	1998
266_ Int Arch Allergy Immunol 131-245.pdf	12915767	Willerroider, M.	2003
266_ Pediatr Allergy Immunol 10-160.pdf	10565556	Tucke, J.	1999
266_ Clin Exp Allergy 34 - 1739.pdf	15544599	Wagner, S.	2004
266_ Contact Dermatitis 37 - 36.pdf	9255486	Gallo, R.	1997

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **267 - Food - Plant Source, Pepper, Green Capsicum frutescens var. grossum**

Recommended Scientific Name Capsicum annuum

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pepper allergy English; green pepper allergy; Capsicum frutescens allergy
Google: green pepper allergy; green pepper allergy adverse; green pepper allergen; green pepper allergen adverse; same search results performed for Capsicum frutescens

Nomenclature

According to ITIS, Capsicum frutescens is no longer current. There are two current synonyms: Capsicum annuum var. annuum and Capsicum annuum var. glabriusculum. Since the variety was not listed, additional information is needed. The Capsicum genus is found in the Solanaceae family.
http://www.hort.purdue.edu/newcrop/med-aro/factsheets/CAPSICUM_PEPPER.html
indicates that C. annuum and C. frustens are different species, but PLANTS database says that Capsicum frutescens is a synonym for capsicum annuum: http://www.plants.usda.gov/java/profile?symbol=CAANA4.

Parent Product

267 - Food - Plant Source, Pepper, Green Capsicum frutescens var. grossum

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **268 - Food - Plant Source, Pepper, Red or Cayenne Capsicum annuum**

Recommended Common Name Pepper, Cayenne

Recommended Scientific Name Capsicum annuum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: pepper allergy English; red pepper allergy; Capsicum annuum allergy; cayenne allergy cayenne allergy
Google: cayenne pepper allergy; cayenne pepper allergy adverse; cayenne pepper allergen; cayenne pepper allergen adverse; same search results performed for Capsicum annum

Nomenclature

According to ITIS, the correct spelling of Capsicum annum is Capsicum annuum. The common name is cayenne pepper. Two varieties are listed: C. annuum var. annuum and glabriusculum. The Capsicum genus is found in the Solanaceae family.

Parent Product

171 - Food - Plant Source, Cayenne Pepper Capsicum annum

Related Products

268 - Food - Plant Source, Pepper, Red or Cayenne Capsicum annuum

Published Data

PMID 7552932: One paper describes a study that set out to compare reactivity of prick tests with native spices to skin prick tests with spice extracts. Five of 10 people that responded strongly to native cayenne also responded to cayenne extract.
PMID 2719178: In another paper IgE mediated spice allergy was investigated using skin prick tests with spice extracts. Twenty of 41 people tested with cayenne extract had a positive response.

Documents	PubMed Number	Author	Year Published
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
171_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **269 - Food - Plant Source, Pepper, Red or Cayenne Capsicum frutescens var. longum**

Recommended Common Name Pepper, Cayenne

Recommended Scientific Name Capsicum annuum

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pepper allergy English; red pepper allergy; Cayenne allergy; Capsicum frutescens allergy
Google: green pepper allergy; green pepper allergy adverse; green pepper allergen; green pepper allergen adverse; same search results performed for Capsicum frutescens longum

Nomenclature

The PLANTS database says that Capsicum frutescens is a synonym for capsicum annuum. ITIS states that Capsicum frutescens is no longer an accepted synonym for Capsicum annuum. Common name is cayenne pepper. The scientific and common names need to be updated. The Capsicum genus is found in the Solanaceae family.

Parent Product

269 - Food - Plant Source, Pepper, Red or Cayenne Capsicum frutescens var. longum

Published Data

There are no known published data.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **270 - Food - Plant Source, Peppermint Mentha piperita**

Recommended Common Name Peppermint

Recommended Scientific Name Mentha X piperita

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: peppermint allergy English; Mentha piperita allergy
ISI search: peppermint allergy; Mentha piperita allergy
Google: peppermint allergy; peppermint allergy adverse; peppermint allergen; peppermint allergen adverse; same search results performed for Mentha piperita

Nomenclature

According to ITIS, the current spelling of Mentha piperita is Mentha X piperita. The common name is peppermint. Synonyms are listed as Mentha aquatica var crispa, Mentha crispa, and Mentha dumetorum. The Mentha genus is found in the Lamiaceae family.

Parent Product

270 - Food - Plant Source, Peppermint Mentha piperita

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **271 - Food - Plant Source, Pimento, Capsicum annuum**

Recommended Common Name Pepper, Cayenne

Recommended Scientific Name Capsicum annuum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: pimento allergy English; pimiento Capsicum annuum allergy English
Google: pimento allergy; pimento allergy adverse; pimento allergen; pimento allergen adverse; same search results performed for Capsicum annuum

Nomenclature

According to ITIS, the scientific name Capsicum annuum is current. The common name is cayenne pepper. Two varieities of Capsicum annuum are listed: annuum and glabriusculum. The Capsicum genus is found in the Solanaceae family. According to Wikipedia, pimento is sometimes a synonym for allspice, Pimenta officinalis. According to http://edis.ifas.ufl.edu/MV114, Pepper, pimiento is also known as Capsicum annuum.

Parent Product

271 - Food - Plant Source, Pimento, Capsicum annuum

Published Data

The pimento searches all lead to general capsicum papers, both paprika and bell peppers. No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **272 - Food - Plant Source, Pineapple Ananas comosus**

Recommended Common Name Pineapple

Recommended Scientific Name Ananas comosus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pineapple allergy English; Ananas comosus allergy
ISI search: pineapple allergy
Google: pineapple allergy

Nomenclature

According to ITIS, the scientific name, Ananas comosus is correct and current. The common name is pineapple. Synonyms are Ananas ananas, Bromelia ananas, and Bromelia comosa. The Ananas genus is in the Bromeliaceae family.

Parent Product

272 - Food - Plant Source, Pineapple Ananas comosus

Published Data

In PMID 12269944, patients with latex allergy - many of whom also had fruit allergy - were tested with saline extracts of multiple fruits, including pineapple. Pecific IgE was also tested by RAST. Correlation of skin tests and specific IgE with symptoms was poor, and specific data were not included.

Documents	PubMed Number	Author	Year Published
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **273 - Food - Plant Source, Pistachio Nut Pistacia vera**

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: pistachio allergy (limit English); pistachio nut allergy; Pistacia vera allergy
Google: pistachio allergy; pistachio allergy adverse; pistachio allergen; pistachio allergen adverse; same search results performed for Pistacia vera

Nomenclature

According to ITIS, the scientific name, Pistacia vera, is correct and current. The common name is pistachio nut. The Pistacia genus is found in the Anacardiaceae family.

Parent Product

273 - Food - Plant Source, Pistachio Nut Pistacia vera

Published Data

PMID 10779292 uses pistachio nut extract to diagnose pistachio nut allergy. Three people had allergic responses after eating pistachio nuts. Each had strong reactions after skin prick testing with pistachio nut extracts and other nut extracts, but they did not respond to pollen extracts. In PMID 12269944, one patient with a positive ST to pistachio extract had a confirmatory double blind food challenge. PMID 16095141 reports moderate (50-75%) to strong (75-100%) cross-reactivity by ELISA inhibition beween pistachio and almond, cashew, and Brazil nut.

Documents	PubMed Number	Author	Year Published
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
273_ Allergy 57 - 946.pdf	12269944	Crespo, J.F.	2002
273_ Clin and Exp Allergy 23 - 996.pdf	10779292	Parra, F.M.	1993

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **274 - Food - Plant Source, Plum Prunus domestica**

Recommended Common Name Plum, European

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: plum allergy (limit English); Prunus domestica allergy
ISI search: plum and allergy
Google: plum allergy; plum allergy adverse; plum allergen; plum allergen adverse; same search results performed for Prunus domestica

Nomenclature

According to ITIS, the scientific name, Prunus domestica, is correct and current. The common name is European plum. Two varieties of Prunus domestica are listed: domestica and insititia. The Prunus genus is found in the Rosaceae family.

Parent Product

274 - Food - Plant Source, Plum Prunus domestica

Published Data

PMIDs 10887323, 12269944, and 10582717 used fresh fruits for skin prick tests and are not, in themselves, supportive of extract use. PMID 7930303 looked at a variety of fruit allergic patients, including the plum allergic. These patients were prick-prick tested with fresh plum to verify plum allergy, then they were tested with commercial plum extracts. Five of 28 had positive reactions to plum extracts. PMID 12269935 screened Rosaceae sensitive patients using skin prick tests of plum extract. Twenty people gave positive responses.

Documents	PubMed Number	Author	Year Published
129_ J Allergy Cli immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
129_ J Allergy Cli immunol 94-699.pdf	7930303	Pastorello, E.A.	1994
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
274_ Allergy 57 - 900.pdf	12269935	Asero, R.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **275 - Food - Plant Source, Poppy Seed Papaver somniferum**

Recommended Common Name Poppy, Opium

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: poppy seed allergy; Papaver somniferum allergy
Google: poppy seed allergy; poppy seed allergy adverse; poppy seed allergen; poppy seed allergen adverse; same search results performed for Papaver somniferum

Nomenclature

According to ITIS, the scientific name, Papaver somniferum, is correct and current. The common name is opium poppy. Synonym is listed as Papaver somniferum var. setigerum. The Papaver genus is found in the Papaveraceae family.

Parent Product

275 - Food - Plant Source, Poppy Seed Papaver somniferum

Published Data

Two papers (PMIDs 16601355 and 8328666) were found that described case reports of individuals with allergy to poppy seed. In both instances, skin prick tests with poppy seed extract gave positive results.

PMID 16601355 also described an oral challenge with whole or ground poppy seed. There was no reaction to 10 g whole poppy seed, but 1 gram of ground poppy seed elicited a strong allergic response.

Documents	PubMed Number	Author	Year Published
293_ Int Arch Allergy Immunol 140 -170.pdf	16601355	Oppel, T.	2006
275_ Allergy 48 - 295.pdf	8328666	Kalyoncu, A.F.	1993

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **276 - Food - Plant Source, Potato, Sweet Ipomoea batatas**

Recommended Common Name Potato, Sweet

Recommended Scientific Name Ipomoea batatas

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: potato allergy; Potato Sweet allergy; Ipomoea batatas allergy
ISI search: Ipomoea allergy; sweet potato allergy
Google: Ipomoea allergy; sweet potato allergy

Nomenclature

According to ITIS, the scientific name, Ipomoea batatas, is correct and current. The common name is sweet potato. Synonyms are Convolvulus batatas, Convolvulus tiliaceus, Ipomoea fastigiata, Ipomoea tiliacea, and Ipomoea triloba. The Ipomoea genus is found in the Convolvulaceae family.

Parent Product

276 - Food - Plant Source, Potato, Sweet Ipomoea batatas

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **277 - Food - Plant Source, Potato, White Solanum tuberosum**

Recommended Common Name Potato, Irish

Recommended Scientific Name Solanum tuberosum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Potato allergy; white Potato allergy; Solanum tuberosum allergy
Google: white potato allergy; white potato allergy adverse; white potato allergen; white potato allergen adverse; same search results performed for Solanum tuberosum

Nomenclature

According to ITIS, the scientific name, Solanum tuberosum, is correct and current. The common name is Irish potato. The Solanum genus is found in the Solanaceae family.

Parent Product

277 - Food - Plant Source, Potato, White Solanum tuberosum

Published Data

PMIDs 2692473, 3782675 and 12209106 report a total of eleven patients that suffered from white potato allergy. All eleven gave a positive reaction to skin prick tests with white potato extracts. Challenge tests were performed on seven of the patients, five had immediate reactions, and two had delayed reactions.

Documents	PubMed Number	Author	Year Published
277_ Allergy 44 - 532.pdf	2692473	Quirce, S.	1989
277_ J Allergy Clin Immunol 78 - 1110.pdf	3782675	Castells, M.C.	1986
277_ J Allergy Clin Immunol 110 - 524.pdf	12209106	De Swert, L.F.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **278 - Food - Plant Source, Prune**

Recommended Common Name Prune, Garden

Recommended Scientific Name Prunus domestica ssp. Domestica

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: prune allergy English
ISI search: prune allergy English
Google: prune; prunus prunus

Nomenclature

According to ITIS, the scientific name of the garden plum is Prunus domestica ssp. Domestica. The Prunus genus is found in the Rosaeceae family.

According to Wikipedia (http://en.wikipedia.org/wiki/Plum) prunes are dried plums, therefore a 'fresh' prune is a plum. Based on this information, this product is considered "dried plum".

Parent Product

278 - Food - Plant Source, Prune

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIB	none
Therapy:	Category IIIB	none

Product: **279 - Food - Plant Source, Pumpkin Cucurbita pepo**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: pumpkin allergy English; Cucurbita pepo allergy
ISI search: pumpkin and allergy
Google: pumpkin allergy; pumpkin allergy adverse; pumpkin allergen; pumpkin allergen adverse; same search results performed for Cucurbita pepo

Nomenclature

According to ITIS, the scientific name, Cucurbita pepo, is correct and current. Common names are field pumpkin and vegetable marrow. There are five varieties of Cucurbita pepo listed: melopepo, ovifera, ozarkana, pepo, and texana. The Curcurbita genus is found in the Cucurbitaceae family.

Parent Product

279 - Food - Plant Source, Pumpkin Cucurbita pepo

Published Data

PMID 10932088 describes a single case report of pumpkin allergy. This allergy was diagnosed by skin testing using fresh pumpkin, not an extract.

Documents	PubMed Number	Author	Year Published
279_ J Allergy Clin Immunol 106-402.pdf	10932088	Figueredo, E.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **280 - Food - Plant Source, Quince Cydonia oblonga**

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Quince allergy English; Cydonia allergy; Cydonia oblonga allergy; Quince and Cydonia allergy
ISI search: quince allergy
Google: quince allergy; quince allergy adverse; quince allergen; quince allergen adverse; same search results performed for Cydonia oblonga

Nomenclature

According to ITIS, the scientific name, Cydonia oblonga, is correct and current. The common name is quince. Synonyms are listed as Cydonia vulgaris and Pyrus cydonia. The Cydonia genus is found in the Rosaceae family.

Parent Product

280 - Food - Plant Source, Quince Cydonia oblonga

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **281 - Food - Plant Source, Radish Raphanus sativus**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: radish allergy English; Raphanus sativus allergy
ISI search: radish allergy; Raphanus sativus allergy; radish and allergy
Google: radish allergy; radish allergy adverse; radish allergen; radish allergen adverse; same search results performed for Raphanus sativus

Nomenclature

According to ITIS, the scientific name, Raphanus sativus, is correct and current. Common names are cultivated radish, garden radish, radish, and wild radish. Synonym is Raphanus raphanistrum var. sativus. The Raphanus genus is found in the Brassicaceae family.

Parent Product

281 - Food - Plant Source, Radish Raphanus sativus

Published Data

In PMID 20148802, a single patient with an allergic reaction to a food supplement containing Raphanus niger had a positive skin test response to a Raphanus sativus allergen extract.

Documents	PubMed Number	Author	Year Published
281_ Allergy-Feb10-2010.pdf	20148802		0

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: 282 - Food - Plant Source, Raspberry Red Rubus idaeus

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: raspberry allergy English; Rubus idaeus allergy
ISI search: raspberry and allergy; raspberry allergy
Google: raspberry and allergy

Nomenclature

According to ITIS, the scientific name, Rubus idaeus, is correct and current. Common names are American red raspberry, common red raspberry, and western red raspberry. Two subspecies of R. idaeus is listed: idaeus and strigosus. The Rubus genus is found in the Rosaceae family.

Parent Product

282 - Food - Plant Source, Raspberry Red Rubus idaeus

Published Data

No evidence was found to support the use of raspberry extract for diagnosis. In PMID 12839326, a single patient with occupational asthma was skin test positive to freeze-dried raspberry powder reconstituted in saline.

Documents	PubMed Number	Author	Year Published
282_ Ann Allergy Asthma Immunol 90 - 660.pdf	12839326	Sherson, D.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **283 - Food - Plant Source, Raspberry Rubus spp**

Recommended Scientific Name Rubus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: raspberry allergy English; Rubus allergy
Google: raspberry allergy; raspberry allergy adverse; raspberry allergen; raspberry allergen adverse; same search results performed for Rubus

Nomenclature

According to ITIS, there are 9 varieties and over 200 species of Rubus are listed. The Rubus genus is found in the Rosaceae family.

Parent Product

283 - Food - Plant Source, Raspberry Rubus spp

Published Data

No evidence was found to support the use of raspberry extract for diagnosis. In PMID 12839326, a single patient with occupational asthma was skin test positive to freeze-dried raspberry powder reconstituted in saline.

Documents	PubMed Number	Author	Year Published
282_ Ann Allergy Asthma Immunol 90 - 660.pdf	12839326	Sherson, D.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **284 - Food - Plant Source, Raspberry, Black Rubus occidentalis**

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: raspberry allergy English; Rubus occidentalis allergy; Rubus allergy
ISI search: rubus allergy; raspberry allergy
Google: raspberry allergy; raspberry allergy adverse; raspberry allergen; raspberry allergen adverse; same search results performed for Rubus occidentalis

Nomenclature

According to ITIS, the scientific name, Rubus occidentalis, is correct and current. The common name is black raspberry. Synonym is Rubus occidentalis var. pallidus. The Rubus genus is found in the Rosaceae family.

Parent Product

284 - Food - Plant Source, Raspberry, Black Rubus occidentalis

Published Data

In PMID 12839326, a single patient with occupational asthma was skin test positive to freeze-dried raspberry powder reconstituted in saline.

Documents	PubMed Number	Author	Year Published
282_ Ann Allergy Asthma Immunol 90 - 660.pdf	12839326	Sherson, D.	2003

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **285 - Food - Plant Source, Rhubarb Bheum rhaponticum**

Recommended Scientific Name Rheum rhabarbarum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Rhubarb allergy; rheum rhaponticum allergy; Rhubarb rheum rhaponticum allergy
ISI search: rhubarb allergy; rheum allergy
Google: rhubarb allergy

Nomenclature

According to ITIS, the correct spelling of Bheum rhaponticum is Rheum rhabarbarum. The common name is garden rhubarb. The Rheum genus is found in the Polygonaceae family.

Parent Product

285 - Food - Plant Source, Rhubarb Bheum rhaponticum

Published Data

Rhubarb leaves contain oxalate, which can cause sickness if consumed in large doses (http://www.rhubarbinfo.com/rhubarb-poison.html). No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **286 - Food - Plant Source, Rice Oryza sativa**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: rice allergy; Oryza sativa allergy; Oryza sativa allergy English
Google: rice allergy; rice allergy adverse; rice allergen; rice allergen adverse; same search results performed for Oryza sativa

Nomenclature

According to ITIS, the scientific name, Oryza sativa, is correct and current. The common name is rice. Synonym is Oryza sativa var. fatua. The Oryza genus is found in the Poaceae family.

Parent Product

286 - Food - Plant Source, Rice Oryza sativa

Published Data

PMID 7560636: 98 people were skin prick tested with rice extract, 23 gave a positive result. DBPCFC was performed on 9 patients. One had a positive reaction.
PMID 11906347: In another paper one person had allergic response to rice. Two extracts were used for skin prick testing. One gave a positive response and one did not. Prick-prick testing with cooked rice also gave a positive response.

Documents	PubMed Number	Author	Year Published
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
286_ Allergy 57 - 263.pdf	11906347	Wuthrich, B.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **287 - Food - Plant Source, Rice, Wild**

Recommended Scientific Name Zizania, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: rice allergy; wild rice allergy; Zizania allergy
Google: rice allergy; rice allergy adverse; rice allergen; rice allergen adverse

Nomenclature

According to ITIS, wild rice is in the genus Zizania. There are four species of wild rice: Z. palustris L., Z. aquatica L., Z. texana, and Z. latifolia. Wild rice is not a true rice (Oryzia sativa), but they are in the same tribe (Oryzeae). The Zizania genus is found in the Poaceae family.

Parent Product

287 - Food - Plant Source, Rice, Wild

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **288 - Food - Plant Source, Rutabaga Brassica napobrassica**

Recommended Scientific Name Brassica napus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: rutabaga allergy; Brassica napobrassica allergy
ISI search: rutabaga and allergy; Brassica and napobrassica and allergy
Google: rutabaga allergy; rutabaga allergy adverse; rutabaga allergen; rutabaga allergen adverse; same search results performed for Brassica napobrassica

Nomenclature

According to ITIS, the current name of Brassica napobrassica is Brassica napus. The common names are rape and turnip. Synonyms are Brassica napobrassica and B. napus var. mapobrassica. Two varieties of B. napus are listed: napus and pabularia. The Brassica genus is found in the Brassicaceae family.

Parent Product

288 - Food - Plant Source, Rutabaga Brassica napobrassica

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **289 - Food - Plant Source, Rye Grain**

Recommended Scientific Name Secale cereale

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: rye allergy; rye grain allergy; Secale cereale allergy
Google: rye allergy; rye allergy adverse; rye allergen; rye allergen adverse

Nomenclature

According to ITIS, the scientific name for rye is Secale cereale. Common names are: cereal rye, common rye, cultivated annual rye, cultivated rye, and rye. Synonyms are Secale montanum and Triticum cereale. The Secale genus is found in the Poaceae family. Cereals are from the grass family (Gramieae). We consume the edible and nutritious portion - the seeds, or grains.

Parent Product

290 - Food - Plant Source, Rye Secale cereale

Related Products

289 - Food - Plant Source, Rye Grain

Published Data

PMIDs 15853958, 16032737 and 12190662 used rye extract to diagnose rye allergy. PMID 16032737 was a case report with a single individual that had allergic reaction to rye flour. He gave a positive response to rye extract and had a positive bronchial challenge to a rye-wheat flour mixture, but not to wheat flour alone. PMIDs 15853958 and 12190662 tested people that had allergic reactions to cereals. Of 40 with positive reactions to skin prick tests with rye extract, only 4 had a positive response to DBPCFC. This - like other grains - seems to have a high false positive rate. PMID 7560636 identified cross-reactivity among the cereal grains.

Documents	PubMed Number	Author	Year Published
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
289_ Am J Ind Med 48 - 153.pdf	16032737	Ehrlich, R.	2005
289_ Clin Exp Allergy 32 - 1216.pdf	12190662	Armentia, A.	2002
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **290 - Food - Plant Source, Rye Secale cereale**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: rye allergy; Secale cereale allergy
Google: rye allergy; rye allergy adverse; rye allergen; rye allergen adverse; same search results performed for Secale cereale

Nomenclature

According to ITIS, the scientific name, Secale cereale, is correct and current. Common names are cereal rye, common rye, cultivated annual rye, cultivated rye, and rye. Synonyms are Secale montanum and Triticum cereale. The Secale genus is found in the Poaceae family. Cereals are from the grass family (Gramieae). We consume the edible and nutritious portion - the seeds, or grains.

Parent Product

290 - Food - Plant Source, Rye Secale cereale

Related Products

289 - Food - Plant Source, Rye Grain

Published Data

PMIDs 15853958, 16032737 and 12190662 used rye extract to diagnose rye allergy. PMID 16032737 was a case report with a single individual that had allergic reaction to rye flour. He gave a positive response to rye extract and had a positive bronchial challenge to a rye-wheat flour mixture, but not to wheat flour alone. PMIDs 15853958 and 12190662 tested people that had allergic reactions to cereals. Of 40 with positive reactions to skin prick tests with rye extract, only 4 had a positive response to DBPCFC. This - like other grains - seems to have a high false positive rate. PMID 7560636 identified cross-reactivity among the cereal grains.

Documents	PubMed Number	Author	Year Published
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
289_ Am J Ind Med 48 - 153.pdf	16032737	Ehrlich, R.	2005
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005
289_ Clin Exp Allergy 32 - 1216.pdf	12190662	Armentia, A.	2002

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **291 - Food - Plant Source, Safflower Seed Carthamus tinctorius**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: safflower allergy English; safflower seed allergy; Carthamus tinctorius allergy
ISI search: safflower allergy; safflower seed allergy; Carthamus allergy
Google: Carthamus allergy; safflower seed allergy

Nomenclature

According to ITIS, the scientific name, Carthamus tinctorius, is correct and current. The common name is safflower. The Carthamus genus is found in the Asteraceae family.

Parent Product

291 - Food - Plant Source, Safflower Seed Carthamus tinctorius

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **292 - Food - Plant Source, Sage Salvia officinalis**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: sage allergy; Salvia officinalis allergy
Google: sage allergy; sage allergy adverse; sage allergen; sage allergen adverse; same search results performed for Salvia officinalis

Nomenclature

According to ITIS, the scientific name, Salvia officinalis, is correct and current. The common name is kitchen sage. The Salvia genus is found in the Lamiaceae family.

Parent Product

292 - Food - Plant Source, Sage Salvia officinalis

Published Data

Two papers (PMIDs 8630713 and 893378)) were found that use sage extracts for skin test diagnosis. In PMID 8630713, a man had allergic reactions when he ate food seasoned with thyme or oregano. He was skin prick tested with extracts of several different herbs, including sage, which was positive. In PMID 893378, 54 women who worked in a processing plant were skin prick tested to a variety of herbs. 60% had a positive reaction to the sage dust extract.

Documents	PubMed Number	Author	Year Published
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
251_ Ann Allergy Asthma Immunol 76 - 416.pdf	8630713	Benito, M.	1996
292_ annals allergy asthma immunol 77 - 417.pdf	893378	Zuskin, E.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **293 - Food - Plant Source, Sesame seed Sesamum indicum**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: sesame allergy; sesame seed allergy; Sesamum indicum allergy
Google: sesame seed allergy; sesame seed allergy adverse; sesame seed allergen; sesame seed allergen adverse; same search results performed for Sesamum indicum

Nomenclature

According to ITIS, the current name of Sesamum indicum is Sesamum orientale. Common name is sesame. Synonym is Sesamum indicum. The Sesamum genus is found in the Pedaliaceae family.

Parent Product

294 - Food - Plant Source, Sesame Seed Sesamum orientale

Related Products

293 - Food - Plant Source, Sesame seed Sesamum indicum

Published Data

PMID 16601355: A woman with confirmed poppy seed allergy also had a positive skin prick test to sesame seed extract. (Both poppy and sesame seeds are in the Pedaliaceae family.)
PMID 11167387: Ten children with sesame seed allergy were tested for allergy to sesame using commercial extracts by skin prick test (Hollister-Stier). All ten gave a positive reaction.
PMID 16436145: 13 people with confirmed allergy to sesame were skin prick tested with sesame extracts. 5 people gave a positive response.

Documents	PubMed Number	Author	Year Published
293_ Int Arch Allergy Immunol 140 -170.pdf	16601355	Oppel, T.	2006
293_ Allergy 56 - 193.pdf	11167387	Levy, Y.	2001
293_ Allergy 61 - 349.pdf	16436145	Leduc, V.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **294 - Food - Plant Source, Sesame Seed Sesamum orientale**

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: sesame allergy; sesame seed allergy; Sesamum orientale allergy
Google: sesame allergy; sesame allergy adverse; sesame allergen; sesame allergen adverse; same search results performed for Sesamum orientale

Nomenclature

According to ITIS, the scientific name, Sesamum orientale, is correct and current. Common name is sesame. Synonym is Sesamum indicum. The Sesamum genus is found in the Pedaliaceae family.

Parent Product

294 - Food - Plant Source, Sesame Seed Sesamum orientale

Related Products

293 - Food - Plant Source, Sesame seed Sesamum indicum

Published Data

PMID 16601355: A woman with confirmed poppy seed allergy also had a positive skin prick test to sesame seed extract. (Both poppy and sesame seeds are in the Pedaliaceae family.)
PMID 11167387: Ten children with sesame seed allergy were tested for allergy to sesame using commercial extracts by skin prick test (Hollister-Stier). All ten gave a positive reaction.
PMID 16436145: 13 people with confirmed allergy to sesame were skin prick tested with sesame extracts. 5 people gave a positive response.

Documents	PubMed Number	Author	Year Published
293_ Allergy 61 - 349.pdf	16436145	Leduc, V.	2006
293_ Allergy 56 - 193.pdf	11167387	Levy, Y.	2001
293_ Int Arch Allergy Immunol 140 -170.pdf	16601355	Oppel, T.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **295 - Food - Plant Source, Soybean Glycine max**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: soybean allergy; Glycine max allergy
Google: soybean allergy; soybean allergy adverse; soybean allergen; soybean allergen adverse; same search results performed for Glycine max

Nomenclature

According to ITIS, the scientific name, Glycine max, is correct and current. Common name is soybean. Synonyms are Dolichos soja, Glycine grascilis, Glycine hispida, Phaseolus max, Soja hispida, and Soja max. The Glycine genus is found in the Fabaceae family.

Parent Product

295 - Food - Plant Source, Soybean Glycine max

Published Data

PMID 12402374: Thirty-three of 94 people who underwent DBPCFC using soy had a positive reaction. Ten of those had a positive reaction to commercial soy extract, 15 had a positive reaction with a fresh soy extract.
PMID 7560633: Of 90 asthmatics with an allergy to soybean, 52 had a positive reaction to soybean dust extract when retested 2 years later.
PMID 2918186: Of 69 patients who were tested for allergy to legumes, 30 people had a positive skin test response to soybean, and 10 of those had a positive reaction to food challenge with soybeans.

Documents	PubMed Number	Author	Year Published
295_ Yonsei Med J 43 - 2002.pdf	12402374	Kim, T.E.	2002
295_ J Allergy Clin Immunol 96 - 320.pdf	7560633	Morell, F.	1995
295_ Clin Exp Allergy 22 - 461.pdf	1611546	Herian, A.M.	1992
295_ J Allergy Clin Immunol 83 - 435.pdf	2918186	Bernhisel-Broadbent,	1989

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **296 - Food - Plant Source, Soybean Glycine soja**

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: soybean allergy; Glycine soja allergy
Google: soybean allergy; soybean allergy adverse; soybean allergen; soybean allergen adverse; same search results performed for Glycine soja

Nomenclature

According to ITIS, the scientific name, Glycine soja, is correct and current. The common name is wild soybean. Synonym is Glycine ussuriensis. The Glycine genus is found in the Fabaceae family.

Parent Product

296 - Food - Plant Source, Soybean Glycine soja

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **297 - Food - Plant Source, Spearment Mentha spicata**

Recommended Common Name Spearmint

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: spearmint allergy; Mentha spicata allergy
ISI search: spearmint allergy
Google: spearmint allergy

Nomenclature

According to ITIS, the scientific name, Mentha spicata, is correct and current. Common names are bush mint and spearmint. Synonyms are Mentha cordifolia, M. longifolia, and M. viridis. The Mentha genus is found in the Lamiaceae family.

Parent Product

297 - Food - Plant Source, Spearment Mentha spicata

Published Data

The only papers that were found dealt with contact allergy to spearmint or spearmint oil. No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **298 - Food - Plant Source, Spinach Spinacia oleracea**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: spinach allergy limit English; Spinacia oleracea allergy
Google: spinach allergy; spinach allergy adverse; spinach allergen; spinach allergen adverse; same search results performed for Spinacia oleracea

Nomenclature

According to ITIS, the scientific name, Spinacia oleracea, is correct and current. The common name is spinach. The Spinacia genus is found in the Chenopodiaceae family.

Parent Product

298 - Food - Plant Source, Spinach Spinacia oleracea

Published Data

PMID 9450148 reported that a commercial spinach extract was used to diagnose allergy in an individual with oral allergy syndrome. There was no confirmatory food challenge. No further evidence was found to support the use of spinach extracts for diagnosis, although a few reports indicated positive reactions to fresh spinach material.

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Documents	PubMed Number	Author	Year Published
298_ Allergy 52 - 1245.pdf	9450148	Sanchez, I.	1997

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **299 - Food - Plant Source, Squash Cucurbita maxima**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: squash allergy; Cucurbita maxima allergy
ISI search: squash allergy; Cucurbita maxima allergy
Google: squash allergy; squash allergy adverse; squash allergen; squash allergen adverse; same search results performed for Cucurbita maxima

Nomenclature

According to ITIS, the scientific name, Cucurbita maxima, that is correct and current. The common name is winter squash. The Cucurbita genus is found in the Cucurbitaceae family. Cucurbita maxima is one of four species of Cucurbita. C. maxima inculdes winter squash, such as banana squash.

Parent Product

299 - Food - Plant Source, Squash Cucurbita maxima

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **300 - Food - Plant Source, Squash Cucurbita moschata**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: squash allergy; Cucurbita moschata allergy
ISI search: Cucurbita moschata allergy; squash and allergy
Google: squash allergy; squash allergy adverse; squash allergen; squash allergen adverse; same search results performed for Cucurbita moschata

Nomenclature

According to ITIS, the scientific name, Cucurbita moschata, is correct and current. The common name is crookneck squash. Synonym is Pepo moschata. The Curcurbita genus is found in the Cucurbitaceae family. Cucurbita moschata includes butternut squash.

Parent Product

300 - Food - Plant Source, Squash Cucurbita moschata

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **301 - Food - Plant Source, Squash, Banana**

Recommended Scientific Name Cucurbita maxima

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: squash allergy; banana squash allergy
ISI search: squash allergy; banana squash allergy
Google: banana squash allergy; banana squash allergy adverse; banana squash allergen; banana squash allergen adverse

Nomenclature

According to http://edis.ifas.ufl.edu/MV140, squash, banana is Cucurbita maxima. According to ITIS, the common name of Cucurbita maxima is winter squash. The Curcurbita genus is found in the Cucurbitaceae family. Cucurbita maxima is one of four species of Cucurbita. C. maxima includes winter squash, such as banana squash.

Parent Product

301 - Food - Plant Source, Squash, Banana

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **302 - Food - Plant Source, Squash, Italian**

Recommended Scientific Name Cucurbita pepo

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: squash allergy; Italian squash allergy
Google: Italian squash allergy; Italian squash allergy adverse; Italian squash allergen; Italian squash allergen adverse

Nomenclature

Italian squash is not listed in ITIS. After reviewing several internet sites and doing a Google search, it is not completely clear what is the genus and species designation for this product. There is an additional entry for 'squash, Italian, zucchini'. The University of Florida, IFAS Extension website (http://edis.ifas.ufl.edu/MV142) states that zucchini squash is one type of summer squash. This website also states that zucchini is also known as Italian marrow squashes, Cucurbita pepo. ITIS lists the common names of Cucurbita pepo as field pumpkin and vegetable marrow.

Parent Product

302 - Food - Plant Source, Squash, Italian

Published Data

Only one paper (PMID: 10932084) was found where zucchini (C. pepo) allergy was diagnosed by skin testing but extracts were not used. Instead prick-prick tests were performed with fresh fruit.

Documents	PubMed Number	Author	Year Published
304_ J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **303 - Food - Plant Source, Squash, Summer**

Recommended Scientific Name Cucurbita pepo

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: squash allergy; summer squash allergy
Google: summer squash allergy; summer squash allergy adverse; summer squash allergen; summer squash allergen adverse

Nomenclature

Summer squash is not listed in ITIS. The University of Florida, IFAS Extension website (http://edis.ifas.ufl.edu/MV142) states that zucchini squash is one type of summer squash, Cucurbita pepo. ITIS lists the common names of Cucurbita pepo as field pumpkin and vegetable marrow. Most, but not all, summer squashes are in the genus and species: Cucurbita pepo.

Parent Product

303 - Food - Plant Source, Squash, Summer

Published Data

Only one paper (PMID: 10932084) was found where zucchini (C. pepo) allergy was diagnosed by skin testing but extracts were not used. Instead prick-prick tests were performed with fresh fruit.

Documents	PubMed Number	Author	Year Published
304_ J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **304 - Food - Plant Source, Squash, Yellow Summer Cucurbita pepo melopepo**

Recommended Scientific Name Cucurbita pepo var. melopepo

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: squash allergy; Cucurbita pepo allergy
ISI: squash allergy
Google: yellow squash allergy; yellow squash allergy adverse; yellow squash allergen; yellow squash allergen adverse; same search results performed for Cucurbita pepo

Nomenclature

According to ITIS, the scientific name, Cucurbita pepo var. melopepo, is correct and current. The common name is listed as field pumpkin. Synonym is Cucurbita pepo var. condesnsa. The Cucurbita genus is found in the Cucurbitaceae family.

Parent Product

304 - Food - Plant Source, Squash, Yellow Summer Cucurbita pepo melopepo

Published Data

Only one paper (PMID 10932084) was found where zucchini (C. pepo) allergy was diagnosed but extracts were not used. Instead prick-prick tests were perfomed with fresh fruit.

Documents	PubMed Number	Author	Year Published
304_ J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **305 - Food - Plant Source, Squash, Zucchini, Italian**

Recommended Scientific Name Cucurbita pepo

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: squash allergy; Zucchini allergy; Zucchini squash allergy
Google: zucchini squash allergy; zucchini squash allergy adverse; zucchini squash allergen; zucchini squash allergen adverse

Nomenclature

The University of Florida, IFAS Extension website (http://edis.ifas.ufl.edu/MV142) states that zucchini squash is Cucurbita pepo. ITIS lists the common names of Cucurbita pepo as field pumpkin and vegetable marrow. There are five varieties of C. pepo listed: melopepo, ovifera, ozarkana, pepo, and texana. The Cucurbita genus is found in the Cucurbitaceae family.

Parent Product

305 - Food - Plant Source, Squash, Zucchini, Italian

Published Data

Only one paper (PMID 10932084) was found where zucchini (C. pepo) allergy was diagnosed but extracts were not used. Instead prick-prick tests were perfomed with fresh fruit.

Documents	PubMed Number	Author	Year Published
304_ J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **306 - Food - Plant Source, Strawberry Fragaria chiloensis**

Recommended Common Name Strawberry, Beach

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: strawberry allergy (limit English); Fragaria chiloensis allergy
ISI: strawberry and extract; strawberry allergy; strawberry allergy
Google: Fragaria chiloensis allergy

Nomenclature

According to ITIS, the scientific name, Fragaria chiloensis, is correct and current. The common name is beach strawberry. There is one variety (sandwichensis) and four subspecies (chiloensis, lucida, pacifica, and sandwicensis) listed for F. chiloensis. The Fragaria genus is found in the Roasaceae family.

Parent Product

306 - Food - Plant Source, Strawberry Fragaria chiloensis

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: 307 - Food - Plant Source, Sunflower Seed Helianthus annuus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: sunflower allergy; sunflower seed allergy; Helianthus annuus allergy
Google: sunflower allergy; sunflower allergy adverse; sunflower allergen; sunflower allergen adverse; same search results performed for Helianthus annuus

Nomenclature

According to ITIS, the scientific name, Helianthus annuus, is correct and current. Common names are listed as annual sunflower, common sunflower, sunflower, and wild sunflower. Synonyms are H. annuus ssp. jaegeri, H. annuus ssp. lenticularis, H. annuus var. lenticularis, H. annuus var. macrocarpus, H. annuus var. texanus, H. annuus ssp. texanus, H. aridus, and H. lenticularis. The Helianthus genus is found in the Asteraceae family.

Parent Product

307 - Food - Plant Source, Sunflower Seed Helianthus annuus

Published Data

PMIDs 3950255, 7825717 used skin prick tests with sunflower seed extracts to diagnose sunflower seed allergy. Between the 2 papers, 6 out of 6 people with sunflower seed allergy had positive responses to skin prick tests with sunflower seed extracts.

Documents	PubMed Number	Author	Year Published
218_ J Allergy Clin Immunol 77-516.pdf	3950255	Stricker, W.E.	1986
307_ Allergy 49 - 517.pdf	7825717	Axelsson, I.G.	1994

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **308 - Food - Plant Source, Tangerine Citrus deliciosa**

Recommended Scientific Name Citrus reticulate

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Tangerine allergy; Citrus deliciosa allergy
ISI search: Citrus deliciosa allergy
Google: tangerine allergy; tangerine allergy adverse; tangerine allergen; tangerine allergen adverse; same search results performed for Citrus deliciosa

Nomenclature

According to ITIS, tangerine is Citrus reticulate not Citrus deliciosa. Citrus deliciosa is not listed in ITIS. Synonym of C. reticulata is C. nobilis. The Citrus genus is found in the Rutaceae family.

Parent Product

308 - Food - Plant Source, Tangerine Citrus deliciosa

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **309 - Food - Plant Source, Tangerine Citrus reticulata**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: tangerine allergy; Citrus reticulata allergy
ISI: tangerine and allergy
Google: tangerine allergy

Nomenclature

According to ITIS, the scientific name, Citrus reticulata, is correct and current. The common name is tangerine. Synonym is C. nobilis. The Citrus genus is found in the Rutaceae family.

Parent Product

309 - Food - Plant Source, Tangerine Citrus reticulata

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **310 - Food - Plant Source, Tapioca Manihot esculenta**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: tapioca allergy; Manihot esculenta allergy
ISI search: tapioca and allergy
Google: tapioca allergy

Nomenclature

According to ITIS, the scientific name, Manihot esculenta, is correct and current. The common name is tapioca. Synonyms are: Janipha manihot, Jatropha manihot, Manihot aipi, M. dulcis, M, manihot, M. melanobasis, and M. utilissima. The Manihot genus is found in the Euphorbiaceae family. Tapioca is produced from treated and dried manioc root. (Wikipedia)

Parent Product

310 - Food - Plant Source, Tapioca Manihot esculenta

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **311 - Food - Plant Source, Tea Camellia sinensis**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Tea allergy; Camellia sinensis allergy; black tea allergy
Google: tea allergy; tea allergy adverse; tea allergen; tea allergen adverse; same search results performed for Camellia sinensis

Nomenclature

According to ITIS, the scientific name, Camellia sinensis, is correct and current. The common name is tea. Two varieties of C. sinensis is listed: assamica and sinensis. The Camellia genus is found in the Theaceae family. "There are four types of true tea: black tea, oolong tea, green tea, and white tea. The term herbal tea usually refers to infusions of fruit or herbs such as rosehip tea, chamomile tea and Jiaogulan that contain no tea leaves." http://en.wikipedia.org/wiki/Tea

Parent Product

311 - Food - Plant Source, Tea Camellia sinensis

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **312 - Food - Plant Source, Thyme Thymus vulgaris**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: thyme allergy; Thymus vulgaris allergy
ISI search: thyme and allergy
Google: thyme allergy

Nomenclature

According to ITIS, the scientific name, Thymus vulgaris, is correct and current. The common name is garden thyme. The Thymus genus is found in the Lamiaceae family.

Parent Product

312 - Food - Plant Source, Thyme Thymus vulgaris

Published Data

One paper (PMID 8630713) was found that used thyme extract to diagnosis thyme allergy. This case report is of a single person who had an allergic reaction to thyme and oregano, and had positive reactions to skin prick tests using both extracts.
Other papers (not downloaded) used what they called extracts, but were actually suspensions of thyme in PBS.

Documents	PubMed Number	Author	Year Published
251_ Ann Allergy Asthma Immunol 76 - 416.pdf	8630713	Benito, M.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **313 - Food - Plant Source, Tomato Lycopersicon esculentum**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: tomato allergy; Lycopersicon esculentum allergy
Google: tomato allergy; tomato allergy adverse; tomato allergen; tomato allergen adverse; same search results performed for Lycopersicon esculentum

Nomenclature

According to ITIS, the current name of Lycopersicon esculentum is Solanum lycopersicum var. lycopersicum. The common name is garden tomato. Synonyms are Lycopersicon esculentum, L. lycopersicum, and L. pyriforme. The Solanum genus is found in the Solanaceae.

Parent Product

313 - Food - Plant Source, Tomato Lycopersicon esculentum

Published Data

PMIDs 12001794, 16487121 describe case reports of individuals with allergic responses to tomatos. In each paper one person was skin prick tested with tomato extract and gave a positive response. In the other paper the symptoms were induced after exercise, so exercise challenge tests were performed.

Documents	PubMed Number	Author	Year Published
313_ Allergy and Asthma Proc 23 - 149.pdf	12001794	Zacharisen, M.C.	2002
313_ Clin Exp Dermatol 31 - 294.pdf	16487121	Caffarelli, C.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **314 - Food - Plant Source, Tomato Nicotiana spp.**

Recommended Scientific Name Nicotiana, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: tomato allergy; Nicotiana allergy; Nicotiana Tomato allergy
Google: tomato allergy; tomato allergy adverse; tomato allergen; tomato allergen adverse; same search results performed for Nicotiana

Nomenclature

According to ITIS, there are three varieties and twenty-one species within the Nicotiana genus. The Nicotiana genus is found in the Solanaceae family. ITIS indicates that genus Nicotiana includes tobacco and does not include any tomatoes in this genus.

Parent Product

314 - Food - Plant Source, Tomato Nicotiana spp.

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **315 - Food - Plant Source, Turnip Brassica rapa**

Recommended Common Name Turnip, Wild

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: turnip allergy; Brassica rapa allergy
ISI search: turnip allergy
Google: turnip allergy; turnip allergy adverse; turnip allergen; turnip allergen adverse; same search results performed for Brassica rapa

Nomenclature

According to ITIS, the scientific name, Brassica rapa, is correct and current. Common names are bird's rape, birdsrape mustard, field mustard, rape, rape mustard, turnip rape, wild mustard, wild rutabaga, and wild turnip. Five varieties (amplexicaulis, dichotoma, rapa, silvestris, trilocularis) and two subspecies (rapa, sarson) are listed for B. rapa. The Brassica genus is foun in the Brassicaceae family.

Parent Product

315 - Food - Plant Source, Turnip Brassica rapa

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **316 - Food - Plant Source, Turnip Greens, Brassica napus**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Turnip Greens allergy; Brassica napus allergy
Google: turnip greens allergy; turnip greens allergy adverse; turnip greens allergen; turnip greens allergen adverse

Nomenclature

According to ITIS, the scientific name, Brassica napus, is correct and current. Common names are rape and turnip. Synonyms are Brassica napobrassica and B. napus var. napobrassica. Two varieties (napus and pabularia) are listed for B. napus. The Brassica genus is found in the Brassicaceae family. Turnip greens are from the same plants as turnip (brassica rapa) (Wikipedia). Brassica napus is oilseed rape. Even though ITIS says that Brassica napus is a type of turnip, no references were found indicate that the leaves of Brassica napus plants are called 'turnip greens.'

Parent Product

316 - Food - Plant Source, Turnip Greens, Brassica napus

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **317 - Food - Plant Source, Vanilla Vanilla fragans**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: vanilla allergy; Vanilla fragans allergy
ISI search: vanilla allergy
Google: vanilla allergy; vanilla allergy adverse; vanilla allergen; vanilla allergen adverse; same search results performed for Vanilla fragans, Vanilla fragrans

Nomenclature

According to ITIS, the current name of Vanilla fragrans is Vanilla planifolia. Common name is vanilla. Synonym is Vanilla fragrans. The Vanilla genus is found in the Orchidaceae family.

Parent Product

317 - Food - Plant Source, Vanilla Vanilla fragans

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: 318 - Food - Plant Source, Walnut, Black Juglans nigra

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: walnut allergy; black walnut allergy; Juglans nigra allergy
Google: black walnut allergy; black walnut allergy adverse; black walnut allergen; black walnut allergen adverse; same search results performed for Juglans nigra

Nomenclature

According to PLANTS database, the genus Juglans contains 12 species of walnuts. They are separated into 4 taxonomic sections: Dioscaryon (English Walnut; J. regia), Rhysocaryon (Black Walunt; J. nigra, J. californica, J. hindsii, J. major, and J. microcarpo), Cardiocaryon (Asian Butternut) and Trachycaryon (American Butternut; J. cinerea). According to ITIS, the scientific name, Julans nigra, is correct and current. The common name is black walnut. Wallia nigra is listed as a synonym. The Juglans genus is found in the Juglandaceae family.

Parent Product

318 - Food - Plant Source, Walnut, Black Juglans nigra

Related Products

152 - Food - Plant Source, Black, English Juglans nigra

Published Data

There are two species of walnut that are currently used for extracts. PMID 15479274 shows extensive cross-reactivity between these two species of walnut (J. regia and J. nigra), as well as between J. nigra and J. californica, and between J. nigra and and J. cinerea. The rest of the papers reviewed do not mention the species or type of walnut used. Based on PMID 15479274, all papers were used to support both walnut extracts.
PMIDs 14989401, 10582717, 14767457, and 15479274 included patients with positive reactions to skin prick tests with walnut extracts. Many exhibited signs of allergy to walnuts.
PMID 15480333 used patient sera to do in vitro studies. In order to be included in this study, all subjects must have positive skin prick tests with commercial walnut extracts and a positive oral challenge to walnuts. There were 46 such patients.

Documents	PubMed Number	Author	Year Published
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
318_ J Allergy Clin Immunol113 - 358.pdf	14767457	Asero, R.	2004
318_ J Allergy Clin Immunol 114 - 908.pdf	15480333	Pastorello, E.A.	2004
318_ Clin Exp Allergy 34 - 1583.pdf	15479274	Comstock, S.S.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **319 - Food - Plant Source, Walnut, English Juglans regia**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: walnut allergy; english walnut allergy; Juglans regia allergy
Google: english walnut allergy; english walnut allergy adverse; english walnut allergen; english walnut allergen adverse; same search results performed for Juglans regia

Nomenclature

According to ITIS, the scientific name, Juglans regia, is correct and current. The common name is English walnut. The Juglans genus is found in the Juglandaceae family. According to the PLANTS database, the genus Juglans contains all 12 species of walnuts. They are separated into 4 taxonomic sections: Dioscaryon (English Walnut; J. regia), Rhysocaryon (Black Walunt; J. nigra, J. californica, J. Hindsii, J. major, and J. microcarpo), Cardiocaryon (Asian Butternut) and Trachycaryon (American Butternut; J. cinerea).

Parent Product

319 - Food - Plant Source, Walnut, English Juglans regia

Published Data

There are two species of walnut that are currently used for extracts. PMID 15479274 shows extensive cross-reactivity between these two species of walnut (J. regia and J. nigra), as well as between J. nigra and J. californica, and between J. nigra and and J. cinerea. The rest of the papers reviewed do not mention the species or type of walnut used. Based on PMID 15479274, all papers were used to support both walnut extracts.
PMIDs 14989401, 10582717, 14767457, and 15479274 included patients with positive reactions to skin prick tests with walnut extracts. Many exhibited signs of allergy to walnuts.
PMID 15480333 used patient sera to do in vitro studies. In order to be included in this study, all subjects must have positive skin prick tests with commercial walnut extracts and a positive oral challenge to walnuts. There were 46 such patients.

Documents	PubMed Number	Author	Year Published
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
318_ Clin Exp Allergy 34 - 1583.pdf	15479274	Comstock, S.S.	2004
318_ J Allergy Clin Immunol 114 - 908.pdf	15480333	Pastorello, E.A.	2004
318_ J Allergy Clin Immunol113 - 358.pdf	14767457	Asero, R.	2004
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **320 - Food - Plant Source, Watercress Lepidium sativum**

Recommended Common Name Pepperweed, Gardencress

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed and ISI: watercress allergy; lepidium allergy; Nasturtium allergy; gardencress allergy; pepperweed
Google: watercress allergy

Nomenclature

According to ITIS, the scientific name, Lepidium sativum, is correct and current. The common names are garden pepperwort and gardencress pepperweed. The Lepdium genus is found in the Brassicaceae family. Watercress is listed as either Rorippa nasturtium-aquaticum or Rorippa tenerrima. According to PLANTS database, Lepidium sativum is gardencress pepperweed. The name watercress is typically used for plants in the genus and species - Nasturtium officinale.

Parent Product

320 - Food - Plant Source, Watercress Lepidium sativum

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **321 - Food - Plant Source, Watercress Rorippa nasturtium aquaticum**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: watercress allergy documents; watercress allergen; watercress allergic; Rorippa allergy; nasturtium allergy
Google: watercress allergy; watercress allergy adverse; watercress allergen; watercress allergen adverse; same search results performed for Rorippa nasturtium

Nomenclature

According to ITIS, the scientific name, Rorippa nasturtium-aquaticum, is correct and current. Common name is watercress. Synonyms are listed as Nasturtium nasturtium-aquaticum, N. officinale, N. officinale var. siifolium, and Sisymbrium nasturtium-aquaticum. The Rorippa genus is found in the Brassicaceae family.

Parent Product

321 - Food - Plant Source, Watercress Rorippa nasturtium aquaticum

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: 322 - Food - Plant Source, Watermelon Citrullus lanatus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: Watermelon allergy; Citrullus lanatus allergy
Google: watermelon allergy; watermelon allergy adverse; watermelon allergen; watermelon allergen adverse; same search results performed for Citrullus lanatus

Nomenclature

According to ITIS, the scientific name, Citrullus lanatus, is correct and current. The common name is watermelon. Two varieties of C. lanatus are citroides and lanatus. The Citrullus genus is found in the Cucurbitaceae family.

Parent Product

322 - Food - Plant Source, Watermelon Citrullus lanatus

Published Data

PMID 3584742 describe ELISA inhibition studies showing that ragweed extract successfully inhibits binding of patient IgE to watermelon extract, and that watermelon extract successfully inhibited IgE from binding ragweed extract - both in a dose dependant manner. Percent inhibition was not calculated, but a chart portrays the maximum concentration used inhibiting at 75-80%. Ragweed is a standardized extract.
PMID 3584742 describes 6 subjects with food allergies, three of which were allergic to watermelon. The extracts used in this paper were prepared from fresh foods. This paper cannot be used to support efficacy of diagnosis.

Documents	PubMed Number	Author	Year Published
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993
323_ J Allergy Clin Immunol 79 - 867.pdf	3584742	Enberg, R.N.	1987

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **323 - Food - Plant Source, Watermelon Citrullus vulgaris**

Recommended Scientific Name Citrullus lanatus var. lanatus

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: watermelon allergy; Citrullus vulgaris allergy
Google: watermelon allergy; watermelon allergy adverse; watermelon allergen; watermelon allergen adverse; same search results performed for Citrullus vulgaris

Nomenclature

According to ITIS, the current scientific name of Citrullus vulgaris is Citrullus lanatus var. lanatus. Common names are watermelon and wild watermelon. Synonyms are Citrullus citrullus, C. vulgaris, Colocynthis citrullus, Cucubertia citrullus, and Momordica lanata. The Citrullus genus is found in the Cucurbitaceae family.

Parent Product

323 - Food - Plant Source, Watermelon Citrullus vulgaris

Published Data

PMID 3584742 describe ELISA inhibition studies showing that ragweed extract successfully inhibits binding of patient IgE to watermelon extract, and that watermelon extract successfully inhibited IgE from binding ragweed extract - both in a dose dependant manner. Percent inhibition was not calculated, but a chart portrays the maximum concentration used inhibiting at 75-80%. Ragweed is a standardized extract.
PMID 3584742 describes 6 subjects with food allergies, three of which were allergic to watermelon. The extracts used in this paper were prepared from fresh foods. This paper cannot be used to support efficacy of diagnosis.

Documents	PubMed Number	Author	Year Published
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993
323_ J Allergy Clin Immunol 79 - 867.pdf	3584742	Enberg, R.N.	1987

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **324 - Food - Plant Source, Wheat Bran**

Recommended Scientific Name Triticum, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: wheat allergy; wheat bran allergy
ISI: wheat bran allergy
Google: wheat bran allergy; wheat bran allergy adverse; wheat bran allergen; wheat bran allergen adverse

Nomenclature

During the milling process the grain is broken into pieces, then the refining sifts away the bran and germ from the endosperm. The bran is the outer coat of the kernel. The germ is the most nutritious part of the plant. It grows at the base of the kernel and it is the embryo of the future plant. It contains most of the fat, plus some iron, protein, vitamins B & E, and natural oils. The germ has a nutty taste to it and is 3% of the total weight of the kernel (and must be refrigerated to prevent rancidity, because of the high content of fat). The Endosperm is the central, large part of the grain. It nourishes the whole grain and it is made up of fine particles of starch, protein, and minerals. There is generally more starch and less protein per cell near the center of the grain than there is near the surface. The more the grains are refined, the less nutritious they become. Refined grains are easier to cook and chew and are lighter in color. It is from the endosperm that white flour is milled. It makes up 82% of the total weight of the kernel. (http://www.cambridgeculinary.com/bread.aspx) Whole Wheat Flour is made by milling the entire grain, including the bran and germ.

Parent Product

324 - Food - Plant Source, Wheat Bran

Published Data

PMID 15853958 discussed the use of extracts from both wheat bran and wheat flour. Eighteen patients with confirmed wheat allergy were tested. All 18 had positive skin prick tests to wheat extract. Three were orally challenged, and all three had a positive response.

Documents	PubMed Number	Author	Year Published
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **325 - Food - Plant Source, Wheat Flour**

Recommended Scientific Name Triticum aestivum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: wheat allergy; wheat flour allergy
Google: wheat flour allergy; wheat flour allergy adverse; wheat flour allergen; wheat flour allergen adverse

Nomenclature

This review assumes that the species are Triticum aestivum. All wheat grain extracts were ground into wheat flour before extraction. Milling breaks the grain into pieces and removes the germ and bran from the endosperm. Flour is typically made just from the endosperm portion of the whole grain. There are also whole wheat flours.

Parent Product

325 - Food - Plant Source, Wheat Flour

Published Data

Two papers (PMIDs 8581843 and 15853958) used wheat flour extract to diagnose wheat allergy. One of the papers also describes oral challenge with wheat in water that gave a strong positive response in the patient. The other paper describes 18 people that received skin prick tests with extracts of wheat flour, all 18 gave a positive response. Three people were challenged with wheat, and all gave a positive response.

Documents	PubMed Number	Author	Year Published
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **326 - Food - Plant Source, Wheat Gluten**

Recommended Scientific Name Triticum, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: wheat allergy; wheat gluten allergy
Google: wheat gluten allergy; wheat gluten allergy adverse; wheat gluten allergen; wheat gluten allergen adverse

Nomenclature

Wheat gluten is insoluble in aqeueous solution.

Parent Product

326 - Food - Plant Source, Wheat Gluten

Published Data

No supportive data were identified.

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: **327 - Food - Plant Source, Wheat Grain**

Recommended Scientific Name Triticum aestivum

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: wheat grain allergy; wheat allergy
Google: wheat grain allergy; wheat grain allergy adverse; wheat grain allergen; wheat grain allergen adverse

Nomenclature

According to ITIS, wheat is Triticum aestivum. Common names are common wheat and wheat. Synonyms are Triticum hybernum, T. macha, T. sativum, T. sphaerococcum, and T. vulgare. The Triticum genus is found in the Poaceae family.

Parent Product

328 - Food - Plant Source, Wheat, Whole Triticum aestivum

Related Products

327 - Food - Plant Source, Wheat Grain

Published Data

Two papers (PMIDs 8581843 and 15853958) used wheat flour extract to diagnose wheat allergy. One of the papers also describes oral challenge with wheat in water that gave a strong positive response in the patient. The other paper describes 18 people that received skin prick tests with extracts of wheat flour, all 18 gave a positive response. Three people were challenged with wheat, and all gave a positive response.

Documents	PubMed Number	Author	Year Published
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	none	none
Therapy:	none	none

Product: 328 - Food - Plant Source, Wheat, Whole Triticum aestivum

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: wheat allergy; wheat whole allergy; Triticum aestivum allergy
Google: wheat allergy; wheat allergy adverse; wheat allergen; wheat allergen adverse; same search results performed for Triticum aestivum

Nomenclature

According to ITIS, the scientific name, Triticum aestivum, is correct and current. Common names are common wheat and wheat. Synonyms are Triticum hybernum, T. macha, T. sativum, T. sphaerococcum, and T. vulgare. The Triticum genus is found in the Poaceae family.

Parent Product

328 - Food - Plant Source, Wheat, Whole Triticum aestivum

Related Products

327 - Food - Plant Source, Wheat Grain

Published Data

Two papers (PMIDs 8581843 and 15853958) used wheat flour extract to diagnose wheat allergy. One of the papers also describes oral challenge with wheat in water that gave a strong positive response in the patient. The other paper describes 18 people that received skin prick tests with extracts of wheat flour, all 18 gave a positive response. Three people were challenged with wheat, and all gave a positive response.

Documents	PubMed Number	Author	Year Published
231_ Ann Allergy Asthma Immunol 92 - 673.pdf	15237771	Herzinger, T.	2004
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category I	Category I
Therapy:	Category IIIA	Category II

Product: **329 - Food - Plant Source, Whole Grain Oat**

Recommended Scientific Name Avena sativa

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: Whole Grain Oat allergy; Avena sativa extract
Google: Grain Oat allergy; Grain Oat allergy adverse; Grain Oat allergen; Grain Oat allergen adverse

Nomenclature

When oats are harvested they have a hull that surrounds the bran, germ, and endosperm. The outer hull is inedible and is removed prior to the milling process. After the grain is hulled, the bran, germ and endosperm remain.
http://www.namamillers.org/prd_o_mill.html

According to ITIS, oat is Avena sativa. The common names are common oat, oat, oatgrass, wild oats. Synonyms are listed as Avena byzantine, Avena fatua var. sativa, Avena hybrida, and Avena sativa var. orientalis. The Avena genus is found in Poaceae family.

Parent Product

242 - Food - Plant Source, Oat Avena sativa

Related Products

329 - Food - Plant Source, Whole Grain Oat

Published Data

In PMID 8581843, eighteen of 34 patients had a positive skin prick test. Oral challenges were performed, and five of the 18 had a positive response to oats. One additional person reacted to the oral challenge, but was negative by skin prick test.
In PMID 7560636, 29 individuals were skin prick tested with oat extracts, 18 gave a positive result. DBPCFC was performed on all 18, only 5 gave a positive result. This is a false positive rate of 72%

Documents	PubMed Number	Author	Year Published
231_ Allergy 54 - 630.pdf	10435480	Figueredo, E.	1999
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **330 - Food - Plant Source, Yeast, Baker's Saccharomyces cerevisiae**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: yeast allergy; Baker's Yeast allergy; Saccharomyces cerevisiae allergy; yeast allergy extract
Google: yeast allergy; yeast allergy adverse; yeast allergen; yeast allergen adverse; same search results performed for Saccharomyces cerevisiae

Nomenclature

Since bakers' and brewer's yeast are both Saccharamyces cerevisiae, then these two products are considered the same for review. According to ITIS, the scientific name, Saccharomyces cerevisiae, is correct and current. Synonyms are Candida robusta and Saccharomyces ellipsoideus. The Saccharomyces genus is found in the Saccharomycetaceae family

Parent Product

330 - Food - Plant Source, Yeast, Baker's Saccharomyces cerevisiae

Published Data

PMID 8568127: A man with allergic reaction while working at a bakery was skin prick tested with extracts of dry and wet yeast. He reacted positively to a 1:100 dilution of both. He also had positive bronchial challenge to these extracts.
PMID 17042133: A man skin tested positive to food quality yeast extract. He also had IgE to the yeast extract as shown by RAST.

Documents	PubMed Number	Author	Year Published
330_ J Allergy Clin Immunol 97 - 130.pdf	8568127	Belchi-Hernandez, J.	1996
331_ Ann Allergy Asthma Immunol 97 - 294.pdf	17042133	Airola, K.	2006

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II

Product: **331 - Food - Plant Source, Yeast, Brewer's Saccharomyces cerevisiae**

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: yeast allergy; Brewer's Yeast allergy; Saccharomyces cerevisiae allergy; Brewer's yeast Saccharomyces cerevisiae allergy
Google: yeast allergy; yeast allergy adverse; yeast allergen; yeast allergen adverse; same search results performed for Saccharomyces cerevisiae

Nomenclature

Brewer is another name for distiller. Since bakers' and brewer's yeast are both Saccharamyces cerevisiae, then these two products are considered the same for review. According to ITIS, the scientific name, Saccharomyces cerevisiae, is correct and current. Synonyms are Candida robusta and Saccharomyces ellipsoideus. The Saccharomyces genus is found in the Saccharomycetaceae family

Parent Product

331 - Food - Plant Source, Yeast, Brewer's Saccharomyces cerevisiae

Published Data

PMID 8568127: A man with allergic reaction while working at a bakery was skin prick tested with extracts of dry and wet yeast. He reacted positively to a 1:100 dilution of both. He also had positive bronchial challenge to these extracts.
PMID 17042133: A man skin tested positive to food quality yeast extract. He also had IgE to the yeast extract as shown by RAST.

Documents	PubMed Number	Author	Year Published
331_ Ann Allergy Asthma Immunol 97 - 294.pdf	17042133	Airola, K.	2006
330_ J Allergy Clin Immunol 97 - 130.pdf	8568127	Belchi-Hernandez, J.	1996

Panels:

	Original Panel Recommendation	Reclassification Panel Recommendation
Diagnosis:	Category IIIA	Category I
Therapy:	Category IIIA	Category II