

SUPPLEMENTAL FREEDOM OF INFORMATION
SUMMARY

TASK® TABS
(DICHLORVOS)

NADA 048-271

Boehringer Ingelheim Vetmedica, Inc.
15th and Oak
P.O. Box 338
Elwood, KS 66024

NADA - 048-271

FOIS-1

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SUPPLEMENTAL **FREEDOM OF INFORMATION SUMMARY**

1. GENERAL INFORMATION

- A. NADA Number: 048-271
- B. Sponsor: Boehringer Ingelheim Vetmedica, Inc.
15th & Oak
PO Box 339
Elwood, Kansas 66024
- C. Generic Name: Dichlorvos
- D. Trade Name: TASK® Tabs 2, TASK® Tabs 5, TASK® Tabs 10 and
TASK® Tabs 20
- E. Marketing Status: A prescription (Rx) drug that includes the caution
statement as follows:

Federal Law restricts this drug to use by or on the order
of a licensed veterinarian.
- F. Effect of Supplement: 1) To provide for the use of Task® Tabs in kittens not
less than three months of age and in adult dogs.

2) To add two additional tablet sizes, TASK® Tabs 10
and TASK® Tabs 20.

2. INDICATIONS FOR USE

TASK Tabs (dichlorvos) is an anthelmintic product recommended for the removal and control of the roundworms (*Toxocara canis*, *Toxocara cati*, *Toxascaris leonina*) and hookworms (*Ancylostoma caninum*, *Ancylostoma tubaeforme*, *Uncinaria stenocephala*) occurring in the intestinal tract of dogs, puppies, cats and kittens. The drug is vermicidal.

3. DOSAGE FORM, ROUTE OF ADMINISTRATION, RECOMMENDED DOSE

Dosage Form: Tablet

Route of Administration: Oral

Recommended Dosage: TASK® Tabs are administered as a single dose to provide 5 mg dichlorvos per pound body weight to dogs, puppies, cats and kittens.

4. AND 5. EFFECTIVENESS AND SAFETY

The original NADA was approved May 30, 1973 Federal Register (38 FR 14166), prior to the requirement for preparation of a Freedom of Information Summary.

The data in the original approval were reevaluated to determine the safety and effectiveness of TASK® Tabs in kittens three to five months of age and adult dogs.

Clinical Study 1 in Dogs :

Investigator:

Dr. M. L. Sharp
Sharp Veterinary Research Hospital
Vernon, Texas

General Design:

- (1) Purpose of Study: The purpose of this study was to make an assessment of the effectiveness and safety of Task® Tabs at the doses of 5 and 10 mg/lb of body weight in adult dogs (one to seven years old) and geriatric dogs (over seven years old).
- (2) Test Animals: This study included 15 dogs over 60 pounds. Five geriatric dogs (over 7 years of age) were included in the study. Ten adult dogs (between 1 and 7 years of age) were included in the study. Two dogs in this study had roundworms. All of the dogs had hookworms.

Ten of the dogs were administered 250 mg once. This dose approximated 1X. Three of the dogs were administered two doses of 250 mg (given morning and evening). This dose approximated 2X. Two of the dogs were administered 500 mg once. This dose approximated 5X.

- (3) Results:

The drug was 100 % effective in removing both nematodes. Effectiveness was based on reductions in egg per gram (epg) counts. There were no adverse reactions in noted in this study.

Conclusions:

The study demonstrated the effectiveness and safety of Task® Tabs in adult and geriatric dogs when administered at doses up to 5X.

Clinical Study 2 in Dogs:

Investigators: The fourteen investigators listed below generated data in adult dogs up to 50 lbs.

Dr. R. Billings
Michigan Road Animal Hospital
7720 Michigan Road
Indianapolis, Indiana 46368

Dr. D. G. Carlson
Carson Pet Hospital
311 West Sunshine
Springfield, Missouri 65804

Dr. C. Cullen
730 S. Front Street
Mankato, Minnesota 56001

Dr. E. P. Davis
515 Clifton Terrace
Carrolton, Georgia 30117

Dr. R. H. De Motte
Oden Veterinary Clinic
Highway 58 West
Oden, Kansas 47562

Dr. R. J. Dogue
429 North Maize Road
Wichita, Kansas 67212

Dr. J. S. Elder
Belmont Veterinary Clinic
2900 Belmont Avenue
Youngstown, Ohio 44505

Dr. K. S. Grady
9211 Winston Road
Cincinnati, Ohio 45231

Dr. A. D. Kaplan
Arlington Veterinary Medical Center
71 Massachusetts Avenue
Arlington, Massachusetts 02174

Dr. Kipper
Bloomington Veterinary Hospital
P.O. Box 1480
Bloomington, Indiana

Dr. C. B. Legget
2921 South West Parkway
Wichita Falls, Texas

Dr. L. E. Martin 111
1411 North Olive Avenue
Turlock, California 95380

Dr. S. L. Suarvari
1701 Guintoli Lane
Arcata, California 95521

Dr. J. W. Walson
5816 Highway 15 South
Southaven, Mississippi 38671

General Design:

- (1) Purpose of Study: The purpose of this study was to make an assessment of the effectiveness and safety of TASK® Tabs at the dose of 5 mg per pound body weight in adult dogs.
- (2) Test Animals: The study included 171 dogs of various ages, sex, sizes and breeds. The majority of the dogs in the study were adult dogs (between 1 and 7 years old), weighing up to 50 pounds.

- (3) Measurements and Observations: To evaluate effectiveness, eggs per gram (epg) reduction rates and parasite clearance rates were determined. The parasite clearance rate was based upon the number of dogs actually cleared of parasites (egg counts to zero). Fecal counts were conducted both pre-treatment and post-treatment.

Results:

In this study, 171 dogs were treated for roundworm infections and 124 dogs were treated for hookworm infections.

SUMMARY OF CANINE FIELD STUDY - ROUNDWORMS AND HOOKWORMS

Parasite	Clearance Rate	EPG Reduction Rate
Roundworms (ascarids)	157/171 (91.2%)	549 to 17 (96.9%)
Hookworms	114/124 (91.9%)	348 to 16 (95.4%)

The adverse reactions recorded in the clinical trial were related to the cholinergic effects of the drug. The most common adverse reactions recorded were vomiting, excessive salivation, pupillary contraction, dyspnea, watery diarrhea, muscle fasciculations, abdominal pain, ataxia, and general weakness.

Conclusions:

The clinical field study demonstrated the effectiveness and safety of Task® Tabs in adult dogs when administered at a dose of 5 mg\lb of body weight.

Critical Study in Dogs:

Investigator:

D. K. Hass
 Shell Chemical Company
 San Ramon, California

General Design:

- (1) Purpose of Study: A critical test was conducted to evaluate the effectiveness of TASK® Tabs at the dose of 5 mg per pound body weight in young adult dogs.
- (2) Test Animals: The study included 25 young adult Beagle dogs.

- (3) **Measurements and Observations:** To evaluate effectiveness, feces were collected for 3 days after treatment and on the fourth day, the dogs were killed and a necropsy conducted for the purpose of collecting any remaining parasites in the gastrointestinal tract. The necropsy collections and fecal washings were then inspected for the recovery of all parasite populations, and the parasites were identified, counted and tabulated.

Results:

ROUNDWORMS AND HOOKWORMS EXPELLED

Parasite	Number Expelled	% Expelled
<i>Toxocara canis</i>	141/141	100%
<i>Toxascaris leonina</i>	213/292	73%
<i>Ancylostoma caninum</i>	147/151	97.4%

Conclusions:

The study demonstrated the effectiveness of TASK® Tabs for removal and control of roundworms and hookworms in adult dogs.

Clinical Study in Kittens (three to five months of age)

Investigators: Twelve clinical investigators participated in the clinical study.

The investigators were:

Dr. R. E. Billings
 Michigan Road Animal Hospital
 7720 North Michigan Road
 Indianapolis, Indiana 46368

Dr. D. G. Carlson
 Carson Pet Hospital
 311 West Sunshine
 Springfield, Missouri 65804

Dr. C. Cullen
 730 S. Front Street
 Mankato, Minnesota 56001

Dr. R. J. Dogue
429 North Maize Road
Wichita, Kansas 67212

Dr. J. S. Elder
Belmont Veterinary Clinic
2900 Belmont Avenue
Youngstown, Ohio 44505

Dr. K. S. Grady
9211 Winston Road
Cincinnati, Ohio 45231

Dr. A. D. Kaplan
Arlington Veterinary Medical Center
71 Massachusetts Avenue
Arlington, Massachusetts 02174

Dr. Kipper
Bloomington Veterinary Hospital
P.O. Box 1480
Bloomington, Indiana

Dr. C. B. Legget
2921 South West Parkway
Wichita Falls, Texas

Dr. L. E. Martin 111
1411 North Olive Avenue
Turlock, California 95380

Dr. S. L. Suarvari
1701 Guintoli Lane
Arcata, California 95521

Dr. J. W. Walson
5816 Highway 15 South
Southaven, Mississippi 38671

General Design:

- (1) Purpose of the study: The purpose of the study was to make an assessment of the effectiveness and safety of Task® Tabs at the dose of 5 mg/lb of body weight in kittens.
- (2) Test Animals: Forty-three kittens 3 to 5 months of age.
- (3) Measurements and Observations: To evaluate the effectiveness, egg per gram (epg) reduction rates and parasite clearance rates were determined. The parasite clearance rate was based on the number of kittens actually cleared of parasites (egg counts to zero). Fecal counts were done both pre-treatment and post-treatment.

Results:

SUMMARY OF FIELD STUDY IN KITTENS-ROUNDWORMS AND HOOKWORMS

Parasite	Clearance Rate	EPG Reduction Rate
Roundworms (ascarids)	91 %	95 %
Hookworms	91 %	94 %

Typical signs of cholinesterase inhibition were observed in the study, but all the kittens recovered with no additional treatment.

Conclusions:

The study demonstrated the effectiveness and safety of Task® Tabs in kittens three to five months of age when administered at a dose of 5 mg/lb.

6. HUMAN FOOD SAFETY

Data on human safety pertaining to consumption of drug residues were not required for this supplemental NADA. The drug is to be labeled for use in dogs, puppies, cats and kittens, which are non-food animals.

7. AGENCY CONCLUSIONS

No new safety or effectiveness data were required to support this supplemental NADA. The data in the original approval were adequate to satisfy the requirements of Section 512 of the Act and Section 514 of the Implementing Regulations. The data demonstrate that Task® Tabs, when used under the labeled conditions of use, are safe and effective.

According to the Center's supplemental approval policy(21 CFR 514. 106), this is a Category 11 change. This supplement provides for additional tablet sizes and additional claims. Therefore, safety and effectiveness data from the original approval were reevaluated.

Task® Tabs are restricted to use by or on the order of a licensed veterinarian because professional expertise, especially the determination of the specific species of nematodes present, is required to make an accurate diagnosis. In addition, a veterinarian's professional expertise is needed to determine if retreatment is necessary and to determine the importance of any adverse effects.

Attachments:

Labeling:

Package insert

Immediate container label

Lot No.:

Exp. Date:

TEAR HERE →

Each tablet contains 10 mg dichlorvos.
Dosage: 1 tablet for each 2 lbs of body weight.
Weigh each animal prior to dosing. Do not use Task Tabs (dichlorvos) in puppies under 10 days of age or under 1 lb of body weight or in kittens less than 3 months of age.
Warnings: Keep out of reach of children. Between tablet withdrawal keep bottle tightly capped. This drug is a cholinesterase inhibitor. Atropine and 2-PAM are antidotal. **Attention:** The veterinarian should acquaint himself thoroughly with the contents of the package insert prior to use. For use in animals only.
Store under refrigeration (40°F).
Boehringer Ingelheim Vetmedica, Inc.
St. Joseph, MO 64506 U.S.A.
617101L-L-00-9809
Code 617115

Task® Tabs 2

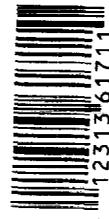
(dichlorvos)

Anthelmintic for Dogs, Puppies, Cats and Kittens

Caution: Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

NADA 048-271. Approved by FDA

Net Contents: 100 Tablets



Lot No.:

Exp. Date:

TEAR HERE →

Each tablet contains 2

Dosage: 1 tablet for each 5 lbs of body weight.

Weigh each animal prior to dosing. Do not use Task Tabs (dichlorvos) in puppies under 10 days of age or under 1 lb of body weight or in kittens less than 3 months of age.

Warning: Keep out of reach of children. Between tablet withdrawal keep bottle tightly capped. This drug is a cholinesterase inhibitor. Atropine and 2-PAM are antidotes.

Attention: The veterinarian should acquaint himself thoroughly with the contents of the package insert prior to use.

For use in animals only.

Store under refrigeration (40°F).

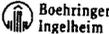
Boehringer Ingelheim Vetmedica, Inc.
St. Joseph, MO 64506 U.S.A.

6174011-00-9809
Code 617415

Task® Tabs 5
(dichlorvos)
Anthelmintic for Dogs, Puppies, Cats and Kittens

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

NADA 048-271, Approved by FDA
Net Contents: 100 Tablets




Lot No.:

Exp. Date:

TEAR HERE →

Each tablet contains 50 mg dichlorvos.
Dosage: 1 tablet for each 10 lbs of body weight.
Weigh each animal prior to dosing. Do not use Task Tabs (dichlorvos) in puppies under 10 days of age or under 1 lb of body weight or in kittens less than 3 months of age.
Warnings: Keep out of reach of children. Between tablet withdrawal keep bottle tightly capped. This drug is a cholinesterase inhibitor. Atropine and 2-PAM are antidotes.
Attention: The veterinarian should acquaint himself thoroughly with the contents of the package insert prior to use.
For use in animals only.
Store under refrigeration (40°F).
Boehringer Ingelheim Vetmedica, Inc.
St. Joseph, MO 64506 U.S.A.
61 7601L-09-9809
Code 61 7625

Task[®] Tabs 10
(dichlorvos)
Anthelmintic for Dogs, Puppies, Cats and Kittens.

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

NADA 048-271, Approved by FDA

Net Contents: 50 Tablets



comple

Date

TEAR HERE →

Each tablet contains 100 mg dichlorvos.
Dosage: 1 tablet for each 20 lbs of body weight.
Weigh each animal prior to dosing. Do not use Task Tabs (dichlorvos) in puppies under 10 days of age or under 1 lb of body weight or in kittens less than 3 months of age.

Warning: Keep out of reach of children. Between tablet withdrawal keep bottle tightly capped. This drug is a cholinesterase inhibitor. Atropine and 2-PAM are antidotal.

Attention: The veterinarian should acquaint himself thoroughly with the contents of the package insert prior to use.

For use in animals only.

Store under refrigeration (40°F).
Boehringer Ingelheim Vetmedica, Inc.
St. Joseph, MO 64506 U.S.A.

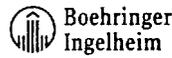
617801L-00-9809
Code 617825

Task® Tabs 20

(dichlorvos)
Anthelmintic for Dogs, Puppies,
Cats and Kittens

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

NADA 048-271. Approved by FDA
Net Contents: 50 Tablets



Pharmacology and Physiology **Dosage limitations with Task Tabs (dichlorvos), insofar as it is known, are due to the drug's action on the nervous system, where it depresses the enzyme acetylcholinesterase. This allows for an accumulation of the substrate acetylcholine at the neuronal junctions, with a resultant overstimulation of the motor and parasympathetic fibers. The severity of this effect is directly related to dosage.**

Study animals have shown a small but detectable drop in circulating (blood) cholinesterase activities when administered the recommended dosage of Task Tabs. Normal values are regained within five to ten days. FiRy ppm of unformulated dichlorvos in the ration of dogs for 40 consecutive days were required to effect a significant drop in red blood cell and plasma cholinesterase activities. Sixty days of 15 and 25 ppm continuous feeding of unformulated dichlorvos were required to cause comparable cholinesterase depressions. These dmg levels did not produce visible signs of toxicity, and weight gains were not reduced.

The exact significance of plasma, red blood cells, and/or platelet cholinesterase depression is not known since animals have been observed to survive long periods of time in chronic toxicological studies with near zero levels of detectable circulating cholinesterase activity. Such measurements serve only to indicate that very small amounts of the intact drug are absorbed from the digestive tract.

Reproduction: Single or repeated recommended dosages of dichlorvos have been administered to bitches and queens, in various stages of pregnancy, indicating no interference with gestation, parturition, or the subsequent performance of their offspring. Adult dog studies have included chronic feeding of the drug for two years or more, through two or more generations, with no adverse effects on the overall reproductive scheme.

Task Tabs have been administered twice weekly to queens from the onset of estrus continuing throughout their gestation. Again, there was no apparent interference with gestation, parturition, or the health of the kittens.

Pathology: The administration of varying dosages of dichlorvos for varying periods of time to dogs and cats has produced no distinctive gross or histopathological changes in any of the organs or tissues. Occasionally large single dosages of the active ingredient in dogs and cats have caused hyperemia and congestion of the intestinal mucosa.

Postmortem examination of dogs and cats succumbing to lethal doses of Task Tabs have shown minimal gross pathology. Typical of the lesions seen are: engorgement of intestinal vessels, inflammation and congestion of the intestinal mucosa with occasional hemorrhage, and congestion of the liver and/or lungs.

Recommended Dosage: Task Tabs (dichlorvos) are available in four tablet sizes, containing 10, 25, 50 and 100 mg dichlorvos respectively. The dose in dogs, puppies, cats and kittens is 5 mg dichlorvos per pound body weight. The product is designed for use in dogs, puppies, cats and kittens according to the following table:

Body Weight (lbs)	Dosage	Tablet Size
1	In	10 mg
2	1 -	10 mg
5	1 -	25 mg
10	1 -	50 mg
15	1 -	50 mg & 25 mg
20	1 -	100 mg
30	1 -	100 mg & 50 mg
40	2 -	100 mg
60	3 -	100 mg
80	4 -	100 mg

Weigh Animal Prior to Dosing: The small tablet is scored. Accordingly, one-half of this tablet will treat 1 lb of body weight.

Task Tabs should not be used in puppies under 10 days of age or under 1 lb body weight or in kittens less than 3 months of age.

Pretreatment fasting is not necessary, although feeding simultaneously with tablet dosage may tend to hold the drug in the stomach and reduce its effectiveness down the tract. Since the drug is not active against migrating tissue-phase larvae, a second treatment two to three weeks after the first is advisable.

Occasionally a dog, puppy, cat or kitten may show signs of emesis within 30 to 90 minutes after dosing. This animal should not be retreated immediately, the product's effectiveness against roundworms and hookworms is usually not altered. Those subjects that do not show a negative fecal egg count within a few days, because of emesis or any other reason, may then be retreated with the drug. In clinical trials mild emesis was reported in up to 8% of the treated animals.

Dogs, puppies, cats and kittens known to be maintained in a high hookworm exposure environment are best Vested with Task Tabs in advance of severe clinical signs. once hookworm disease has progressed to the clinical stage, then supportive therapy (Mood) should precede worming if the animal is to have a chance for survival. In case of accidental overdose, atropine and 2-PAM are antidotal.

Contraindications: Do not administer other anthelmintics concurrently with Task Tabs. Do not administer to dogs, puppies, cats or kittens showing signs of constipation, mechanical blockage of the intestinal tract, impaired liver function, or to animals recently exposed to or showing signs of infectious disease. Do not use the product in animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase-inhibiting drugs, pesticides, or chemicals. Do not use in animals infected with *D. immitis*. Task Tabs are not recommended for use in animals other than dogs and cats.

Attention: Task Tabs (dichlorvos) used in the control of gastrointestinal nematodes of dogs, puppies, cats or kittens are not a substitute for good sanitary practices, but rather should be used in conjunction with such practices. Retreatment schedules with Task Tabs are at the discretion of the veterinarian. Dogs, puppies, cats or kittens which are returned to parasite-contaminated areas will become reinfected. The rate and degree of reinfection will be related to the life cycle of the parasite(s) and the exposure level.

Warning: Keep out of reach of children. Between tablet withdrawal, keep bottle tightly capped. Store under refrigeration. This drug is a cholinesterase inhibitor; atropine and 2-PAM are antidotal.

How Supplied: 10 mg dichlorvos/tablet and 25 mg/dichlorvos/tablet -100 tablets/bottle; 50 mg dichlorvos/tablet and 100 mg/dichlorvos/tablet .50 tablets/bottle.

Store under refrigeration (40°F). Between tablet withdrawals, the bottle must be tightly capped.

Observe expiration dates.

References:

- Batte, E. G., North Carolina State University, Raleigh, North Carolina: Technical Reports and Personal Communications (196 S- 1969).
- Bio/toxicological Research Laboratories, Inc., Spencerville, Ohio, Technical Reports (1964-1970).
- Casida, J. E., "The Toxicology and Pharmacology of VAPONA® Insecticide," Shell Chemical Company (1962).
- Hazelton Laboratories, Joe., Falls Church, Vs.: Technical Reports (1960-1965).
- Sharp, ML, Vernon, Texas: Technical Reports and Personal Communication (1965-1976).
- Sweeny, W.T., Neamand's White Eagle Farms, Doylestown, Pa: Technical Report (1971).
- Ward, F.P., C.L. Glicksberg, "Effect of Dichlorvos on Blood Cholinesterase of Dogs," Edgewood Arsenal Technical Report No. 4295, Department of the Army, Edgewood Arsenal, Md. (1969).
- Witherup, S., W.J. Jolley, K. Stemmer, E.A. Pfitzer, "Chronic Toxicity Studies with 2,2-Dichlorovinyl Dimethyl Phosphate (DDVP) in Dogs and Rats Including Observations on Rat Reproduction," *Sot. Toxicol., Tenth Ann. Mtg., Abs.: Tox & Appl. Pharm.* 19:2 (1971).
- Zajicek, J., N. Datta, "Investigation on the Acetylcholinesterase Activity of Erythrocytes, Platelets and Plasma in Different Animal Species," *Acts Haem.* 9(2): 11 5 (1953).

Task Tabs
(dichlorvos)
Anthelmintic for Dogs, Puppies,
Cats and Kittens

For use in animals only.

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

Indications: Task Tabs (dichlorvos) is an anthelmintic product recommended for the removal and control of roundworms (*Toxocara canis*, *Toxocara cati*, *Toxascaris leonina*) and hookworms (*Ancylostoma caninum*, *Ancylostoma tubaeforme*, *Uncinaria stenocephala*) occurring in the intestinal tract of dogs, puppies, cats and kittens. The drug is vermifugal.

Rapidity of Action: Task Tabs have demonstrated extremely rapid germicidal properties. In two-month-old puppies, dead, unattached hookworms have been found in the small intestine within one hour following dosage. Parasite expulsion from cats and dogs generally begins within six hours and for all practical purposes is complete within 24 hours following treatment.

Toxicology: The minimum lethal dosages for dogs and cats have been determined to be 45 mg/lb (9X) and 25 mg/lb (5X), respectively. Profuse vomiting must limit the amount of formulated drug which can be administered in acute toxicity studies.

The cardinal signs of toxicity from dichlorvos overdose in dogs and puppies are excessive salivation, pupillary contraction, dyspnea, retching, emesis, watery diarrhea, muscular fasciculations, evidence of abdominal pain, ataxia, and general weakness progressing toward paralysis. In cats and kittens high dosages of the drug will cause apprehension and convulsive muscular activity in addition to the other cholinergic signs. Task Tabs were evaluated in a clinical field trial in three- to five-month-old kittens. The kittens were administered a single dose of 5 mg/lb body weight (IX). Typical signs of cholinesterase inhibition were observed, but all signs were reversible. All kittens survived the study without medical intervention.

This formulation provides a very rapid release of the active ingredient; when the tablets are given at elevated nonlethal dosages, all signs of toxicity generally regress without antidotal therapy in two to four hours.

Task Tabs were administered 10 puppies at three times the therapeutic dose, twice weekly from three weeks of age through nine weeks of age, winning being accomplished at six weeks. Emesis was common (23%) but when compared to control and placebo-treated groups, there were no detrimental effects noted on survival, growth, or on the hematology and serum chemistry measured. After the six weeks of continuous therapy, average RBC acetylcholinesterase activity was depressed 30% below the controls, whereas plasma cholinesterase activity in some puppies had rebounded to twice that of the controls. In another treatment group, one of seven pups succumbed after six continuous weeks of six times the therapeutic dosage, given twice weekly. The incidence of emesis and the reduction in cholinesterase activity in mature dogs were comparable to puppies.

Task Tabs were administered to young adult cats at the recommended therapeutic dose twice weekly for ten weeks. Adverse reactions were minimal (<5% emesis) and when compared to control cats, there were no detrimental effects noted on general clinical condition, or on the hematology and serum chemistry measured. At the conclusion of the test average whole blood cholinesterase activity was depressed 15 to 20% below the control values. Some of these test cats became pregnant, and the Task Tab treatments were continued throughout their gestation; no reproductive problems were encountered.

Single or repeated (weekly) recommended dosages of Task Tabs to puppies and cats have not produced abnormal changes in the erythrocyte count, leucocyte count, leucocyte differential, hemoglobin, hematocrit, blood glucose, blood urea nitrogen, alkaline phosphatase, lactic dehydrogenase, serum glutamic oxalacetic transaminase, serum cholesterol, serum uric acid, serum calcium, serum inorganic phosphorus or total serum protein.