

FDA Derived Intervention Level (DIL)
or Criterion for Each Radionuclide Group^{(a),(b)}

Radionuclide Group	All Components of the Diet		Alternate units for Milk ^(c)
	(Bq/kg)	(pCi/kg)	(pCi/L)
Sr-90	160	4300	4400
I-131	170	4600	4700
Cs-134 + Cs-137	1200	32,000	33,000
Pu-238 + Pu-239 + Am-241	2	54	56
Ru-103 + Ru-106 ^(d)	$[(C_3 / 6800) + (C_6 / 450)] < 1$	$[(C_3 / 18,00) + (C_6 / 12,00)] < 1$	$[(C_3 / 190,000) + (C_6 / 12,000)] < 1$

Notes:

- (a) The DIL for each radionuclide group is applied independently (see discussion in Appendix D). Each DIL applies to the sum of the concentrations of the radionuclides in the group at the time of measurement.
- (b) Applicable to foods as prepared for consumption. For dried or concentrated products such as powdered milk or concentrated juices, adjust by a factor appropriate to reconstitution, and assume the reconstitution water is not contaminated. For spices, which are consumed in very small quantities, use a dilution factor of 10.
- (c) Conversion to units of pCi/L given for convenience for milk, assuming a density of 1.03 kg/L. Due to rounding, the reference DIL value for Ru-106 is the same in pCi/L as in pCi/kg.
- (d) Due to the large difference in DILs for Ru-103 and Ru-106, the individual concentrations of Ru-103 and Ru-106 are divided by their respective DILs and then summed. The sum must be less than one. C3 and C6 are the concentrations, at the time of measurement, for Ru-103 and Ru-106, respectively