

TABLE 1.—SUBCHRONIC, CHRONIC, AND OTHER TOXICITY—Continued

Guideline No.	Study Type	Results
870.3100	90-Day oral toxicity rodents (mice)	NOAEL: 197/2,209 mg/kg/day (M/F) LOAEL: 788/2,209 mg/kg/day (M/F): M = increased liver weights and increased incidence of marked fatty change in the liver; F = not attained
870.3150	(90-day oral toxicity in nonrodents (dogs)	NOAEL: 7.6/8.1 mg/kg/day (M/F) LOAEL: 78.1/81.7 mg/kg/day (M/F): M = based on increased alkaline phosphatase activity and hepatic weights; F = increased alkaline phosphatase activity and hepatic weights.
870.3200	21/28-Day dermal toxicity (rats)	NOAEL = 1,000 mg/kg/day highest dose tested (HDT) LOAEL = >1,000 mg/kg/day
870.3700	Prenatal developmental in rodents (rats)	Maternal NOAEL = 1,000 mg/kg/day LOAEL = cannot be established Developmental NOAEL = 1,000 mg/kg/day LOAEL = cannot be established
870.3700	Prenatal developmental in nonrodents (rabbits)	Maternal NOAEL = 300 mg/kg/day LOAEL = 1,000 mg/kg/day based on abortions or early delivery. Developmental NOAEL = 300 mg/kg/day LOAEL = 1,000 mg/kg/day based on abortions or early delivery.
870.3800	Reproduction and fertility effects (rats)	Parental/Systemic NOAEL = 112.6/1180.8 mg/kg/day M/F Parental/Systemic LOAEL = 1165.0/>1180.8 mg/kg/day M/F based on decreased body weight and body weight gain (F <sub>1</sub> ) as well as hepatocyte degeneration F <sub>0</sub> and F <sub>1</sub> in males only. Offspring systemic NOAEL = 11.2/115.8 mg/kg/day (M/F) Offspring systemic LOAEL = 112.6/1180.8 (M/F) mg/kg/day based on decreased body weight for F <sub>2</sub> pups in males and females of both generations. Reproductive NOAEL = 1165.0/1180.8 mg/kg/day (M/F) Reproductive LOAEL = >1165.0/1180.8 mg/kg/day (M/F)
870.4100	Chronic toxicity rodents (rat)	NOAEL = 21.9/30.0 mg/kg/day (M/F) LOAEL = 110.0/150.3 mg/kg/day (M/F) based on M = thyroid toxicity (weights and microscopic changes); F = thyroid toxicity (weights and microscopic changes. Thyroid follicular cell adenomas: M = 0/20, 0/20, 2/20, 1/20; F = 0/20, 0/20, 1/20, 0/20.
870.4100	Chronic toxicity (dogs)	NOAEL = 21.8/22.1 mg/kg/day (M/F) LOAEL = 57.4/58.3 mg/kg/day (M/F) based on M = elevated ALP activities and elevated hepatic weights; F = no effects
870.4200	Carcinogenicity (rats)	NOAEL = 23.0/29.7 mg/kg/day (M/F) LOAEL = 116.1/155.6 mg/kg/day (M/F) based on M = increased incidence of thyroid follicular cell hyperplasia and hypertrophy; F = decrease in body weight gain and increased incidence of thyroid follicular cell hyperplasia and hypertrophy. Thyroid follicular cell adenomas: M = 0/50, 0/50, 1/50, 4/50; F = 0/50, 1/50, 0/50, 3/50.
870.4200	Carcinogenicity (mice)	NOAEL: 65/443 mg/kg/day (M/F) LOAEL: 331/1804 mg/kg/day (M/F): M = decreases in body weight and body weight gains; F = decreases in body weight and body weight gains. No evidence of carcinogenicity.
870.5100	Gene Mutation bacterial reverse mutation assay	Negative without and with S-9 activation up to limit dose of 5,000 µg/plate.
870.5300	<i>In vitro</i> mammalian cell forward gene mutation assay (CHO cells/ HGPRT locus)	Negative without and with S-9 activation up to limit of solubility of 25 µg/plate.
870.5375	<i>In vitro</i> mammalian cytogenetics assay in Chinese hamster V79 cells	Negative without and with S-9 activation up to 3500 µg/mL with precipitation showing at concentrations of 100 µg/mL and higher.
870.5395	Cytogenetics - mammalian erythrocyte micronucleus test in the mouse	Negative response up to 2,000 mg/kg.