

CONVERSION CHART FOR VETERINARY SCIENCE CDE

LIQUID MEASURES

1 gal = 4 qt. = 8 pt. = 16 cups = 128 oz. = ~3.785 L = ~3785 ml
 1 qt. = 32 oz.
 1 L = 1.06 qt. = 33.81 oz. = 0.227 gal
 1 ml = 0.034 oz.
 1 oz. = ~ 30 ml = 6 tsp. = 2 Tbsp. = 0.125 cup
 1 tsp. = 5 ml
 1 Tbsp. = 3 tsp. = 15 ml
 1 cup = 0.5 pint = 0.25 qt. = ~ 240 ml = 8 oz. = 16 Tbsp. = 48 tsp.
 ½ cup = 0.25 pint = 0.125 qt. = 120 ml = 4 oz. = 8 Tbsp. = 24 tsp.
 ¼ cup = 0.125 pint = 0.0625 qt. = 60 ml = 2 oz. = 4 Tbsp. = 12 tsp.
 1 ml = 1 cc

LENGTH

1 in = 2.5 cm
 1 cm = 0.4 in
 12 in = 1 ft.
 3 ft = 1 yd
 1 cm = 10 mm
 1 m = 3.28 ft

WEIGHT

1 lb = 0.45 kg
 1 kg = 2.2 lb
 1 ton = 2000 lb
 1 mg = 0.001 gram
 1 kg = 1000 gram

TEMPERATURE

Fahrenheit = (Celsius x 1.8) + 32 **OR**
 (Celsius x 9/5) + 32

 Celsius = (Fahrenheit – 32) x 0.555 **OR**
 (Fahrenheit - 32) x 5/9

PERCENT SOLUTIONS

1000 mg/ml is a 100% solution.
 100 mg/ml is a 10% solution.
 10 mg/ml is a 1% solution.
 1 mg/ml is a 0.1% solution.

METRIC UNITS

Kilo	Hecto	Deka	UNIT (U)	Deci	Centi	milli
1000	100	10	1	0.1	0.01	0.001
U x 0.001	U x 0.01	U x 0.1	L, g, m	U x 10	U x 100	U x 1000

A kg is 1000 times bigger than a gram and 1,000,000 times bigger than a mg.

To convert grams to milligrams multiply by 1000 (25 grams x 1000 = 2500 mg). This makes since as a mg is tiny compared to a gram. To convert a milligram to a kilogram multiply by 0.0000001 (25 mg x 0.0000001 = 0.0000025 kg).

This makes since because a kg is enormous compared to a mg.