



Merrick's TECH BULLETIN

Electrolyte Dilution Tables

General:

The following tables are guidelines for mixing electrolytes in amounts other than those specified by the package instructions

One teaspoon (tsp) of electrolyte powder weighs approximately 4 g.

One tablespoon (tbsp) of electrolyte powder weighs approximately 12 g.

Blue Ribbon Calf Electrolyte

General Mixing Instructions: Mix 4 oz (1 packet) in 2 quarts of warm water

Amount Of Electrolyte Solution Desired	Amount of Electrolyte Powder Required
2 qt	4 oz. (114 g); use 10 tbsp
1 qt	2 oz (57 g); use 5 tbsp
1 pint	1 oz (28.35 g); use 2 1/2 tbsp
1 cup (8 oz)	1/2 oz (14.2 g) ; use 1 tbsp+1/2 tsp

Lamb and Kid Electrolyte

General Mixing Instructions: Mix 1 rounded scoop in 8 oz of warm water

Amount Of Electrolyte Solution Desired	Amount of Electrolyte Powder Required
4 oz (1/2 cup)	use 1/2 scoop (5 g) or 1 1/4 tsp
8 oz (1 cup)	use 1 rounded scoop (10 g) or 2 1/2 tsp
16 oz (1 pint)	use 2 rounded scoops (20 g) or 1 tbsp + 2 tsp
32 oz (1 qt)	use 4 rounded scoops (40 g) or 3 tbsp + 1 tsp

Poultry Electrolyte

General Mixing Instructions: Mix 1 lb (454 g) in 150 gallons of water

Concentrated Dose: Mix 1 lb (454 g) in 25 gallons of water

Amount Of Electrolyte Solution Desired	Amount of Electrolyte Powder Required
150 gallons	use 1 lb (454 g)
1 gallon (128 oz)	use 3/4 tsp (3 g)
1 quart (32 oz)	use 1/8 to 1/4 tsp (0.8 g)
1 pint (16 oz)	use up to 1/8 tsp (0.4 g)

Amount Of Electrolyte Solution Desired	Amount of Electrolyte Powder Required
25 gallons	use 1 lb (454 g)
1 gallon (128 oz)	use 1 1/2 tbsp (18 g)
1 quart (32 oz)	use 1 tsp, slightly rounded (4.5 g)
1 pint (16 oz)	use 1/2 tsp, slightly rounded (2.25 g)

Conversion tables on back

Conversion Table - Liquid Measures		
To convert	Into	Multiply by
ounces	cups	.125
	pints	.0625
	quarts	.03125
	gallons	.0078125
	liters	.0295625
cups	ounces	8
	pints	.5
	quarts	.25
	gallons	.0625
	liters	.2365
pints	ounces	16
	cups	2
	quarts	.5
	gallons	.125
	liters	.473
quarts	ounces	32
	cups	4
	pints	2
	gallons	.25
	liters	.946
gallons	ounces	128
	cups	16
	pints	8
	quarts	4
	liters	3.785
liters	ounces	38.024
	cups	4.226
	pints	2.113
	quarts	1.057
	gallons	0.264
	milliliters	1000

Conversion Table - Weights		
To convert	Into	Multiply by
ounces	pounds	.0625
	grams	28.35
	kilograms	.028
pounds	ounces	16
	grams	453.59
	kilograms	.454
grams	ounces	.035
	pounds	.002
	kilograms	.001
kilograms	ounces	35.275
	pounds	2.205
	grams	1000

Kitchen Measures	
3 tsp =	1 tbsp
4tbsp =	¼ cup
5 ½ tbsp =	1/3 cup
16 tbsp =	1 cup
2 cups =	1 pint
4 cups =	1 quart
2 pints =	1 quart
4 quarts =	1 gallon
Key:	
tsp = teaspoon	
tbsp = tablespoon	

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