

Instr. #5031

DROP TEST
SODIUM CHLORIDE (SALT WATER)
(1 drop = 200 ppm)

COMPONENTS:

1 x 5031	Instruction
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic
1 x R-0630-A	Chromate Indicator, .75 oz, DB
1 x R-0718-A	Silver Nitrate Reagent, .75 oz, DB

**TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE
800-TEST KIT (800-837-8548).**

PROCEDURE:

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.
KEEP REAGENTS AWAY FROM CHILDREN.**

NOTE: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

For 1 drop = 200 ppm Sodium Chloride

1. Rinse and fill 25 mL sample tube (#9198) to 10 mL mark with water to be tested.
2. Add 1 drop R-0630 Chromate Indicator. Swirl to mix. Sample will turn yellow.
3. Add R-0718 Silver Nitrate Reagent dropwise, swirling and counting after each drop, until color changes from yellow to a milky salmon (brick red).

NOTE: A white precipitate will form as R-0718 Silver Nitrate Reagent is added to the sample. Do not add enough R-0718 Silver Nitrate Reagent to give a brown color. First change from yellow to a milky salmon (brick red) is the endpoint.

4. Multiply drops of R-0718 Silver Nitrate Reagent by 200. Record as parts per million (ppm) salt as sodium chloride (NaCl).
5. To calculate required dosage, see treatment table on reverse.



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To Increase Salt Level

Volume of Water - U.S. Gallons

Desired increase in ppm	400 gallons	1,000 gallons	5,000 gallons	10,000 gallons	20,000 gallons	50,000 gallons	100,000 gallons
1500 ppm	5.01 lb	12.5 lb	62.6 lb	125 lb	250 lb	626 lb	1252 lb
3000 ppm	10.0 lb	25.0 lb	125 lb	250 lb	501 lb	1252 lb	2504 lb
4000 ppm	13.4 lb	33.4 lb	167 lb	334 lb	668 lb	1669 lb	3338 lb
4500 ppm	15.0 lb	37.6 lb	188 lb	376 lb	751 lb	1878 lb	3755 lb
5000 ppm	16.7 lb	41.7 lb	209 lb	417 lb	835 lb	2086 lb	4173 lb

(rev. 5/15)

Volume of Water - Liters

Desired increase in ppm	2,000 L	4,000 L	20,000 L	40,000 L	80,000 L	100,000 L	400,000 L
1500 ppm	3.00 kg	6.00 kg	30.0 kg	60.0 kg	120 kg	150 kg	600 kg
3000 ppm	6.00 kg	12.0 kg	60.0 kg	120 kg	240 kg	300 kg	1200 kg
4000 ppm	8.00 kg	16.0 kg	80.0 kg	160 kg	320 kg	400 kg	1600 kg
4500 ppm	9.00 kg	18.0 kg	90.0 kg	180 kg	360 kg	450 kg	1800 kg
5000 ppm	10.0 kg	20.0 kg	100 kg	200 kg	400 kg	500 kg	2000 kg

(rev. 5/15)