

MIDGET COMPARATOR TEST

pH

MIDGET:		RANGE:	REAGENT:
9237	Chlorphenol Red	5.2 - 6.6	R-1003G
9036	Bromthymol Blue	6.0 - 7.4	R-1003H
9053	Phenol Red	6.8 - 8.2	R-1003J
9006	Cresol Red	7.2 - 8.6	R-1003K
9321	Thymol Blue	8.2 - 9.6	R-1003M
9052	Long Range	3.0 - 10.0	R-1003U

APPARATUS:

1 x 3243	Cap, Test Cell, 11.5 mL, rectangular, plastic
1 x 4024	Test Cell, Calibrated 11.5 mL, plastic
1 x 4030	Pipet, Calibrated 0.5 & 1.0 mL, plastic w/cap
1 x 5199	Instruction
1 x 6002	Brush, Cell Cleaner

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 800-837-8548.

PROCEDURE:

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

1. Rinse and fill 11.5 mL test cell (#4024) to 11.5 mL mark with water to be tested.
2. Using a 1.0 mL pipet (#4030), add 0.5 mL pH Indicator. Cap and mix.
3. Wipe dry and place in comparator WITH FROSTED SIDE FACING OPERATOR.
4. Match color in test cell with a color standard. Record as pH units.

Instr. #5199

NOTE: If sample color is between two values, pH is average of the two.

NOTE: If determining Acid or Base Demand, save sample and proceed as directed on separate instruction.



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DROP TEST
HYDROGEN PEROXIDE (1 drop = 5 ppm)

COMPONENTS:

1 x 5591	Instruction
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic
1 x R-0601-C	Molybdate Reagent, DB
1 x R-0664-C	Bleach Reagent #1, DB
1 x R-0774-C	Thiosulfate Reagent, DB

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

Hydrogen Peroxide Test

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Add 10 drops R-0664 Bleach Reagent #1. Swirl to mix.
3. Add 10 drops R-0601 Molybdate Reagent. Swirl to mix. Sample will turn yellowish orange if hydrogen peroxide is present.
4. Add R-0774 Thiosulfate Reagent dropwise, swirling and counting after each drop, until color changes from yellowish orange to colorless.

Instr. #5591

5. Multiply drops of R-0774 Thiosulfate Reagent by 5. Record as parts per million (ppm) hydrogen peroxide.



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