

DROP TEST

BIGUANIDE (1 drop = 5 ppm) & HYDROGEN PEROXIDE (1 drop = 5 ppm)

COMPONENTS:

Biguanide

1 x 4030	Pipet, Calibrated (0.5 & 1.0 mL) w/ cap, plastic
1 x R-0976-C	Biguanide Complexing Reagent, 2 oz
1 x R-0977-A	Biguanide Indicator Reagent, .75 oz, DB
1 x R-0978-C	Biguanide Titrating Reagent, 2 oz, DB

Hydrogen Peroxide

1 x R-0601-C-DB	Molybdate Reagent, 2 oz, DB
1 x R-0664-C-DB	Bleach Reagent #1, 2 oz, DB
1 x R-0774-C	Thiosulfate Reagent, 2 oz, DB

Misc.

1 x 5313	Instruction
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic

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.

Biguanide Test

1. Rinse and fill 25 mL sample tube (#9198) to 10 mL mark with water to be tested.
2. Using 1.0 mL pipet (#4030), add 0.5 mL R-0976 Biguanide Complexing Reagent. Swirl to mix.

Instr. #5313

3. Add 5 drops R-0977 Biguanide Indicator Reagent. Swirl to mix. Sample will turn blue.
4. Add R-0978 Biguanide Titrating Reagent dropwise, swirling and counting after each drop, until color changes from blue to pinkish purple.
5. Multiply drops of R-0978 Biguanide Titrating Reagent by 5. Record as parts per million (ppm) polyhexamethylene biguanide (PHMB) as product.

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.
5. Multiply drops of R-0774 Thiosulfate Reagent by 5. Record as parts per million (ppm) hydrogen peroxide (H₂O₂).



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