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## REVIEW

**TEST KITS**  
(including STRIPS)

**REAGENTS**

**REPLACEMENT  
PARTS**

## Instructions

### Instruction Number: 5050

Component	Description
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>	DROP TEST
>	TOTAL CHELANT
>	(1 drop = 2 or 5 ppm EDTA)

#### COMPONENTS:

1 x 5050	Instruction
1 x 9198	Sample Tube, Graduated, 25 mL, plastic w/cap
1 x R-0735	Hydrochloric Acid .6N, DB
1 x R-0911	Total Chelant Indicator Powder
1 x R-0912	Total Chelant Titrating Solution, DB

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.

For 1 drop = 2 ppm EDTA

NOTE: Run a blank with chelant-free water. Normal blank requires about 2 drops to reach endpoint.

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Add 1 dipper R-0911 Total Chelant Indicator Powder. Swirl until dissolved. If sample turns yellow, add 1 drop R-0735 Hydrochloric Acid .6N. If sample turns blue-violet, add R-0735 Hydrochloric Acid .6N dropwise, swirling after each drop, until color changes from blue-violet to yellow. Add 1 more drop R-0735 Hydrochloric Acid .6N. Always hold bottle in vertical position.
3. Add R-0912 Total Chelant Titrating Solution dropwise, swirling and counting after each drop, until color changes from yellow to blue-violet. Always hold bottle in vertical position.
4. Subtract drops of R-0912 Total Chelant Titrating Solution in blank from drops used in sample (Step 3). Multiply by 2. Record as parts per million (ppm) total chelant as EDTA.

NOTE: EDTA is ethylenediaminetetraacetic acid.

For 1 drop = 5 ppm EDTA

NOTE: Run a blank with chelant-free water. Normal blank requires about 2 drops to reach endpoint.

1. Rinse and fill 25 mL sample tube (#9198) to 10 mL mark with water to be tested.
2. Add 1 dipper R-0911 Total Chelant Indicator Powder. Swirl until dissolved. If sample turns yellow, add 1 drop R-0735 Hydrochloric Acid .6N. If sample turns blue-violet, add R-0735 Hydrochloric Acid .6N dropwise, swirling after each drop, until color changes from blue-violet to yellow. Add 1 more drop R-0735 Hydrochloric Acid .6N. Always hold bottle in vertical position.
3. Add R-0912 Total Chelant Titrating Solution dropwise, swirling and counting after each drop, until color changes from yellow to blue-violet. Always hold bottle in vertical position.
4. Subtract drops of R-0912 Total Chelant Titrating Solution in blank from drops used in sample (Step 3). Multiply by 5. Record as parts per million (ppm) total chelant as EDTA.

NOTE: If total chelant levels are unusually high, indicator color transition may be from yellow to red. Repeat test using sample diluted (1:1) with chelant-free water. Multiply final result by 2. Record as ppm total chelant as EDTA.

NOTE: EDTA is ethylenediaminetetraacetic acid.

2/01

A blue rectangular button with rounded corners and a slight gradient, containing the word "Print" in white, bold, sans-serif font.