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Instructions

Instruction Number: 5135

SLIDETM COMPARATOR TESTS GENERAL INSTRUCTIONS

For questions call us at 877-7WATER6 877-792-8376 or [email us](#).

Taylor SlideTM comparators offer systems for colorimetrically determining solute levels in industrial, natural, and recreational waters. In each test, a liquid sample is treated with reagents causing a color to develop. The treated sample is then placed in the comparator base and compared to the liquid color standards in the SlideTM. A color match is made and the concentration of the substance is read from the values on the SlideTM.

The unique Taylor colorimetric system compensates for cloudy or colored samples by using three cells. Two untreated samples are positioned on both sides of the treated sample, providing a more accurate color match.

To ensure accurate results, the following should be observed:

1. Use the proper test cell. There are two different test cells used in the SlideTM comparator system: the 11.5 mL test cell (#4024), used in most tests; the 5 mL test cell (#4025), used in tests requiring shorter viewpaths. Both test cells are used in the Enslow base (#9189). Glass 5 mL test tubes (#4023) are used in the pH base (#9190).
2. Always place the test cells with the frosted side facing the operator. This is required for proper light diffusion.
3. Use three test cells (test tubes) for each test. Two should be filled to the mark with the untreated sample and placed on both sides of the center compartment of the comparator base. The third test cell is used for treating the sample with reagents and is placed in the center compartment of the comparator base.
4. Align the appropriate SlideTM on the comparator base for a color match. To determine the concentration of solute in the sample, move the SlideTM until a color match is obtained. The SlideTM is in proper alignment for a color match when a white line on the SlideTM is directly above the white line on the comparator base.

5. Use a proper light source. Hold the comparator system up to natural daylight or, preferably, place on shelf of the Dalite™ lamp (#9195). Artificial light (incandescent or fluorescent) light should not be used.

IMPORTANT

1. Keep test kit out of reach of children.
2. Read precautions on all labels.
3. Store test kit in cool, dark place.
4. Replace solutions once each year.
5. Rinse test cells (test tubes) before and after each test.
6. Hold bottle vertically when dispensing.
7. Replace caps on all reagents after use.

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