Hydrogen Peroxide Test Kit

HYP-1 (2291700)

DOC326.97.00114

Test preparation

CAUTION: ⚠ Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.

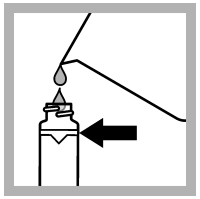
- Hold the dropper vertically above the sample. Do not let the dropper touch the bottle during the titration.
- Swirl the flask and add the drops constantly during the titration to prevent low results.
- The replacement sample cells (2084900) have a black cap. Discard the black cap, which reacts with hydrogen peroxide. Use only the white caps 2166506.
- Keep the sodium thiosulfate away from direct sunlight.
- If the high-range procedure gives a low result, use the prepared sample for the titration in the low-range procedure.

Replacement items

NOTE: Product and Article numbers may vary for some selling regions. Contact the appropriate distributor or refer to the company website for contact information.

Description	Unit	Item no.
Hydrogen Peroxide Reagent Set (Includes: one 193332, 220399 and 2408732)	100 tests	2449100
Ammonium Molybdate Reagent	100 mL MDB	193332
Sodium Thiosulfate Titrant	100 mL MDB	2408732
Sulfite 1 Reagent Powder Pillows	100/pkg	220399
Measuring tube, plastic, 5.83 mL	each	43800
Flask, Erlenmeyer, 50 mL	each	50541
Sample cell, 30 mL, 1-inch round glass, with black cap	6/pkg	2084900
Cap, white plastic	6/pkg	2166506

Test procedure—Hydrogen Peroxide (0–10 mg/L H_2O_2)



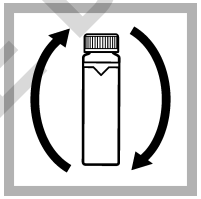
1. Fill the sample cell accurately to the mark with sample.



2. Add 1 mL of Ammonium Molybdate Reagent.



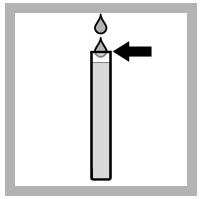
3. Add one Sulfite 1 Reagent Powder Pillow.



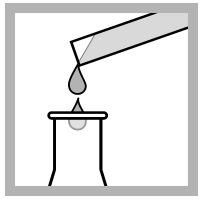
4. Put the cap on the sample cell. Invert again and again to mix. Not all of the powder must dissolve.



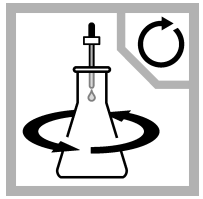
5. Wait 5 minutes. A blue color develops.



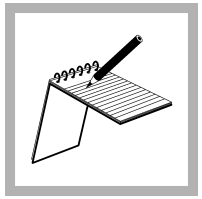
6. Fill the measuring tube with the prepared sample.



7. Pour the prepared sample into the flask.



8. Add the Sodium Thiosulfate Titrant by drops. Mix after each drop. Count the drops until the sample becomes clear or very light yellow.

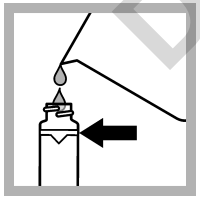


9. Record the number of drops. The number of drops of the titrant solution is equal to the result in mg/L.



10. Immediately rinse the glass sample cell, cap and flask with tap water or deionized water.

Test procedure—Hydrogen Peroxide (0–4 mg/L H_2O_2)



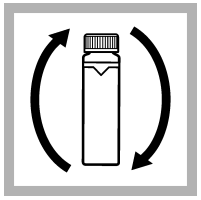
1. Fill the sample cell accurately to the mark with sample.



2. Add 1 mL of Ammonium Molybdate Reagent.



3. Add one Sulfite 1 Reagent Powder Pillow.



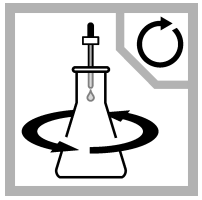
4. Put the cap on the sample cell. Invert again and again to mix. Not all of the powder must dissolve.



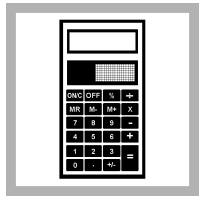
5. Wait 5 minutes. A blue color develops.



6. Pour the prepared sample into the flask.



7. Add the Sodium Thiosulfate Titrant by drops. Mix after each drop. Count the drops until the sample becomes clear or very light yellow.



8. Multiply the total number of drops by 0.2 to get the result in mg/L.



9. Immediately rinse the glass sample cell, cap and flask with tap water or deionized water.

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