



Hydrogen Sulfide Test Kit

HS-C (2537800)

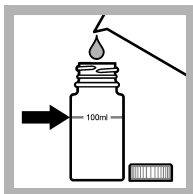
DOC326.98.00022

Test preparation

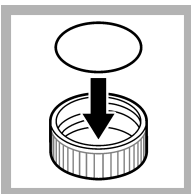
CAUTION: ⚠ *Review the Safety Data Sheets (MSDS/SDS) for the chemicals that are used. Use the recommended personal protective equipment.*

- Analyze the samples immediately. The hydrogen sulfide concentration decreases quickly after the sample is collected.
- Rinse the bottle with sample before the test. Rinse the bottle with deionized water after the test.
- Wash all labware between tests. Contamination can change the test result. Clean with a non-abrasive detergent or a solvent such as isopropyl alcohol. Rinse with deionized water. Wipe and dry with a soft cloth.
- The test paper is light blue. Small variations in the test paper color do not have an effect on test accuracy.

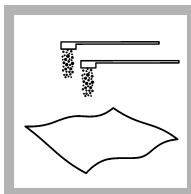
Test procedure—Hydrogen Sulfide (0–5 mg/L H₂S)



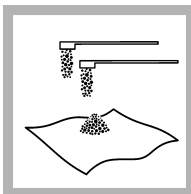
1. Fill the bottle to the 100-mL mark with sample.



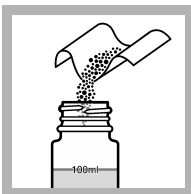
2. Put one Hydrogen Sulfide Test Paper into the bottle cap. Do not get the paper wet.



3. Add two 1-g spoons of Citric Acid to a piece of weighing paper.



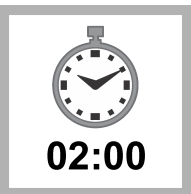
4. Use a different spoon to add two 1-g spoons of Sodium Bicarbonate to the same piece of weighing paper.



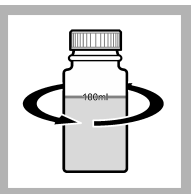
5. Add all of the powder to the sample in the bottle.



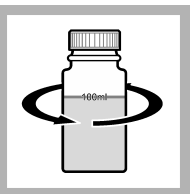
6. **Immediately** tighten the cap on the bottle.



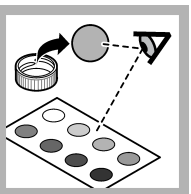
7. Start a 2-minute timer.



8. Carefully swirl the bottle. Do not get the cap wet.



9. Swirl the bottle again when the reaction slows. Do not get the cap wet.



10. When the timer expires, remove the test paper from the cap. Compare the color on the test paper to the colors on the test chart to get the result in mg/L.

Replacement items

Description	Unit	Item no.
Citric Acid	105 g	7067105
Sodium Bicarbonate	105 g	776105
Spoon, measuring, 1.0 g	each	51000
Hydrogen sulfide bottle, with cap	each	2532800
Hydrogen Sulfide Test Chart	each	2537900
Hydrogen Sulfide Test Paper	100/pkg	2537733

Optional items

Description	Unit	Item no.
Water, deionized	500 mL	27249
Weighing paper, 102 x 102 mm	500/pkg	1473885

