

Product Name : H₂S Rapid Test

Rapid test for hydrogen sulfide (H₂S) production.

CONTENT OF THE PACKAGES

Proteic Substrate Mixture 30 tubes
1 Instruction Sheet

ITEMS NECESSARY NOT INCLUDED IN THE PACKAGES

- Physiological Solution (MB-20095)

INTERPRETATION

H₂S Rapid Test containing iron compounds allow detection of hydrogen sulfide production.

PRINCIPLE OF THE METHOD

If sulfide is produced, it combines with iron compounds to produce ferrous sulfide, a black precipitate.

PROCEDURE

1. Take a tube from the kit.
2. Add 0.3 mL of sterile physiological solution.
3. Suspend with sterile loop a well isolated colony from culture medium.
4. Cover the tube and incubate at 37°C for 4 hours until to 24 hours.
5. Interpret the results by referring to reactions table.

INTERPRETATION OF THE RESULTS

Interpret the results according to the table;

Color of the medium	H ₂ S Rapid Test
Black	Positive
Colorless	Negative



Escherichia coli
ATCC 25922



Salmonella typhimurium
ATCC 14028

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QUALITY CONTROL FOR USE

Each batch of H₂S Rapid Test is submitted to the quality control using the following microorganisms :

Microorganism		H ₂ S Production
<i>Citrobacter freundii</i>	ATCC 8090	+
<i>Proteus vulgaris</i>	ATCC 13315	+
<i>Salmonella typhimurium</i>	ATCC 14028	+
<i>Escherichia coli</i>	ATCC 25922	-

PRECAUTIONS

H₂S Rapid Test is a disposable device to be used only for diagnostic use *in vitro*. It is intended for use in a professional environment and must be used in the laboratory by properly trained personal, using approved asepsis and safety methods for handling pathogenic agents.

STORE

Store H₂S Rapid Test at 2-6 °C in its original package. In such conditions the product is valid until the expiry date shown on the label. Do not use after expiry date. Dispose of them if they show signs of deterioration.

DISPOSAL OF USED MATERIAL

After the use, H₂S Rapid Test and the material that has come into contact with the sample must be decontaminated and disposed of in accordance with the laboratory procedures.

REFERENCES

1. Belliveau R.R., Grayson J.W. and Butler T.J.: Simple method of identifying Enterobacteriaceae . Am . J. Clin. Pathol . 50:126 – 128, 1968.

PACKAGE

Cat. No : MB-88013 H ₂ S Rapid Test	30 tubes
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