

# Haemophilus Test Broth



Medium used for the cultivation and enumeration of *Haemophilus influenzae*.

## • CONTENTS (Liter)

Acid Hydrolysate of Casein	17.5 g
Beef Extract	3.0 g
Yeast Extract	5.0 g
Starch	1.5 g
Final pH = 7.3 ± 0.1 at 25°C	

## • PROCEDURE

Suspend 27.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Aseptically add 2 vials of Haemophilus Test Broth supplement (MB-H3025). Mix well. Pour into tubes

### Haemophilus Test Broth supplement

1 vial contents (Each vial is sufficient for 500 mL of medium)

Hematin	0.0075 g
NAD	0.0075 g

## • INTERPRETATION

Haemophilus Test Broth is a medium used for the cultivation and enumeration of *Haemophilus influenzae*. Acid hydrolysate of casein and beef extract provide nitrogen, carbon, amino acids and minerals. Yeast extract provides vitamins. Starch neutralizes toxic metabolic by-products. Hematin and NAD stimulate the growth of *Haemophilus influenzae*.

## • TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 36 ± 1°C for 18 - 24 hours under microaerobic condition. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

### Prepared medium

Appearance: clear to slightly opalescent

Color: light amber

Incubation conditions: 36 ± 1 °C / 18 - 24 hours under microaerobic condition

Microorganism	ATCC	Growth
<i>Haemophilus influenzae</i>	19418	good

## • STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

## • REFERENCES

1. Clinical and Laboratory Standards Institute (CLSI, formerly NCCLS). Approved standard: M2. Performance standards for antimicrobial disk susceptibility tests. CLSI, Wayne, PA, USA.
2. Jorgensen, J.H., J.S. Redding, L.A. Maher, and A.W. Howell. 1987. Improved medium for antimicrobial susceptibility testing of *Haemophilus influenzae*. J. Clin. Microbiol. 25:2105-2113.
3. Doern, G.V., J.H. Jorgensen, C. Thornsberry, D.A. Preston, T.A. Tubert, J.S. Redding, and L.A. Maher. 1988. A national collaborative study of the prevalence of antimicrobial resistance among clinical isolates of *Haemophilus influenzae*. Antimicrob. Agents Chemother. 32:180-185.

## • PACKAGE

Cat. No : MB-H0987 Haemophilus Test Broth	500 G
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