

BacterLab Division



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ENRICHMENT MEDIUM

BacterTube™ BHI Broth



A nutrient-rich medium that provides essential substances for microbial growth, suitable for culturing various types of microorganisms.

Code: 08009



1. INTENDED USE

BacterTube™ BHI Broth is a buffered nutrient medium designed for the culture of aerobic and anaerobic microorganisms, including yeasts and molds. It is also used for the detection of staphylocoagulase and complies with NF EN ISO 6888-1, NF EN ISO 6888-3, and NF V08-057-1 standards in food microbiology.

2. PRINCIPLES

BacterTube™ BHI Broth derived from the Rosenow formula (1919), contains:

- Pork brain-heart infusion: Rich in nutritive compounds to support fastidious bacterial growth.
- Gelatin digest: Supplies amino acids and peptides.
- Sodium chloride: Maintains osmotic balance.
- Disodium phosphate: Buffers pH stability.
- Glucose: Provides an energy source to enhance growth

3. TYPICAL COMPOSITION

For 1 liter of medium

Brain infusion solids	12,5 g
Beef heart infusion solids	5,0 g
Proteose peptone	10,0 g
Sodium chloride	5,0 mL
Disodium phosphate	2,5 g

pH of the ready-to-use medium at 25°C: 7,4 ± 0,2

4. PREPARATION

The environmental tubes are ready-to-use, no preparation required.

5. INSTRUCTIONS FOR USE

Confirmation of Coagulase-Positive *Staphylococci* (NF EN ISO 6888-1 & 3):

- Re-isolate a characteristic colony into a **BacterTube™ BHI Broth**.
- Incubate at 35 – 37°C for 24 hours.
- Proceed with the coagulase tube test using Coagulase Rabbit Plasma

6. QUALITY CONTROL

BacterLab ensures the quality of each product batch by testing with ATCC reference strains.

Reference strains	Incubation conditions	Expected results
<i>Staphylococcus aureus</i> ATCC 25923	24 hours, 36°C	Growth causing turbidity in the culture medium
<i>Escherichia coli</i> ATCC 25922		Growth causing turbidity in the culture medium

7. STORAGE AND TRANSPORT CONDITIONS

- Storage: 2 – 8°C.

- Transportation: Ambient temperature.

8. PACKAGING

- Packaging: 50 tubes/ box or as per customer request.

9. SHELF LIFE

- Expiration Date: 6 months from the manufacturing date.

10. BIBLIOGRAPHY

- Rosenow, E.C., 1919. *Jour. Dent. Res.*, 1: 205-249.
- NF EN ISO 6888-1. Oct 1999. Horizontal method for enumeration of coagulase-positive staphylococci.
- Solabia Biokar Diagnostics. (2016). *Technical Data Sheet: Brain-Heart Broth*. Retrieved from: https://www.solabia.com/biokar-diagnostics/product/brain-heart-broth/?documentation=4783&_wpnonce=e35eed2e53