

BacterLab Division



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BacterTube™
BHI bổ sung XV

ENRICHMENT MEDIUM

BacterTube™ BHI with XV

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

Code: 08010



1. INTENDED USE

BacterTube™ BHI with XV is a non-selective enrichment medium that supports the growth of all bacteria, including *Haemophilus influenzae*. It is designed to promote the growth of a wide range of microorganisms, without inhibiting any specific bacterial species.

2. PRINCIPLES

BacterTube™ BHI with XV is formulated to provide essential nutrients to support the growth of a broad range of microorganisms, particularly those with complex nutritional requirements. The composition includes:

- **Brain-Heart Infusion:** Provides rich nutritive compounds to support fastidious bacterial growth.
- **IsoVitaleX™ Enrichment:** A supplement containing vitamins, amino acids, and other growth factors to enhance the growth of microorganisms, especially for those with complex nutrient needs.
- **Sodium chloride:** Maintains osmotic balance in the medium.
- **Disodium phosphate:** Acts as a buffering agent to maintain pH stability.
- **Glucose:** Serves as an energy source to promote the growth of microorganisms.

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 g
Disodium phosphate	2,5 g
IsoVitaleX™ Enrichment	1 vial

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

- Directly inoculate the specimen or sample into the medium.
- Incubate at 35 – 37°C for 4 – 8 hours.
- Perform subculturing on specialized agar plates containing selective media and incubate under appropriate conditions

6. RESULT

- **Positive Test:** A positive result is indicated by the formation of a mass within 24 hours.
- **Negative Test:** A negative result is indicated when no mass is formed after 24 hours.

7. QUALITY CONTROL

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

Reference strains	Incubation conditions	Expected results
<i>H. influenzae</i> ATCC 49766	12 - 24 hours, 35 – 37°C, 5% CO ₂	Growth and form a mass

8. STORAGE AND TRANSPORT CONDITIONS

- Storage: 2 – 8°C.
- Transportation: Ambient temperature.

9. PACKAGING

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

10. SHELF LIFE

- Expiration Date: 6 months from the manufacturing date.

11. 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