

BacterLab Division



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**BacterTube™
THB StrepB**

ENRICHMENT MEDIUM

BacterTube™ THB StrepB

Ready-to-use liquid medium for use in qualitative procedures for cultivation of beta-hemolytic streptococci.

Code: 08014



1. INTENDED USE

BacterTube™ THB Strep B is a liquid medium recommended for use in qualitative procedures for cultivation of beta-hemolytic streptococci, production of antigenic streptococcal hemolysins, and isolation of most pathogenic organisms.

2. PRINCIPLES

Peptones and heart infusion supply nitrogenous compounds and amino acids essential for the growth of beta-hemolytic streptococci and prevent the formation of proteinase; type-specific M protein production is inhibited by proteinase. Dextrose is an energy source which also stimulates streptococcal antigenic hemolysin production. Disodium phosphate and sodium carbonate are buffers which counteract the acidity produced during the fermentation of dextrose, thereby protecting the hemolysin from inactivation by acid

3. TYPICAL COMPOSITION

For 1 liter of medium

Infusion from 450 g fat-free minced meat	10,0 g
Tryptone	20,0 g
Glucose	2,0 g
Sodium bicarbonate	2,0 g
Sodium chloride	2,0 g
Disodium phosphate	0.4 g
Getamincin	0,008 g

pH of the ready-to-use medium at 25°C: 7,8 ± 0,2.

4. PREPARATION

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

5. INSTRUCTIONS FOR USE

- Inoculate tube with the throat swab specimen and incubate aerobically or in 5 – 10% CO₂ at 35 – 37°C for 2 – 5 hours. Follow established laboratory guidelines for testing with fluorescent antibody procedures.
- Incubation may be continued up to 24 hours prior to subculture onto selective or nonselective blood agar plates.
- THB Strep B may be inoculated with pure cultures of streptococci prior to the preparation of extracts for serological typing

6. QUALITY CONTROL

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

Reference strains	Incubation conditions	Expected result
<i>S. pyogenes</i> ATCC 19615	35 – 37°C for 18 – 24 hours	Good growth
<i>Streptococcus agalactiae</i> ATCC 13812		Good growth

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

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