

BacterLab Division



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BacterTube™
Cary Blair Broth

TRANSPORT MEDIUM

BacterTube™ Cary Blair Broth

The medium used for transporting clinical samples.

Code: 08053



1. INTENDED USE

BacterTube™ Cary Blair Broth is recommended for collection and shipment of clinical specimens.

2. PRINCIPLES

BacterTube™ Cary Blair Broth is prepared with minimal nutrients to increase the survival of the organisms without multiplying. Sodium thioglycollate is incorporated in the medium to provide a low oxidation-reduction potential. The pH of the medium is relatively alkaline which minimizes the bacterial destruction due to the formation of acid. Phenol red is added as indicator which is red at alkaline pH, while yellow at acidic pH. Medium can maintain viability of fastidious microorganisms for only a short period of time. It is recommended that best results are obtained by direct inoculation of isolate on enriched medium at the same time specimen is inoculated into transport medium.

3. TYPICAL COMPOSITION

For 1 liter of medium

Disodium hydrogen phosphate	1,1 g
Sodium thioglycollate	1,1 g
Sodium chloride	5,0 g
Calcium chloride	0,09 g

pH of the ready-to-use medium at 25°C: 8,4 ± 0,2

4. PREPARATION

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

5. INSTRUCTIONS FOR USE

- Ensure the medium reaches room temperature before use.
- Collect clinical samples following standard protocols.
- Insert or place the sample into the **BacterTube™ Cary Blair**.
- Transport the sample to the laboratory within 24–48 hours under cool conditions.

6. QUALITY CONTROL

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

Reference strain	Incubation conditions	Expected result
<i>Salmonella typhimurium</i> ATCC 14028	18 – 24 hours at 35 – 37°C	Good Growth on Subculture Medium
<i>V.parahaemolyticus</i> ATCC 17802		Good Growth on Subculture Medium
<i>Shigella flexneri</i> ATCC 12022		Good Growth on Subculture Medium
<i>Klebsiella pneumoniae</i> ATCC 13883		Good Growth on Subculture 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

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