

BacterLab Division



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TRANSPORT MEDIUM

BacterTube™ Stuart Amies

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Transport medium is used to transport and preserve microbial samples, prolonging the survival time of pathogenic organisms

Code: 08002



1. INTENDED USE

BacterTube™ Stuart Amies is designed for the collection, transport, and preservation of microbiological specimens from various sources, including throat, vaginal, and wound samples. This medium ensures the viability of microorganisms without allowing significant growth, aiding in the accurate culture analysis of transported samples.

2. PRINCIPLES

This medium provides a balanced environment to maintain bacterial survival during transport. Key components include:

- Chloride salts: Provide essential electrolytes for osmotic balance.
- Phosphates: Act as a buffering system.
- Sodium thioglycollate: Reduces oxidative changes, maintaining a reduced environment.

Bacterial survival depends on factors such as the type of microorganism, sample concentration, transport conditions, and timely inoculation (within 24 hours).

3. TYPICAL COMPOSITION

For 1 liter of medium

Charcoal pharmaceutical	10,0 g
Sodium chloride	3,0 g
Sodium hydrogen phosphate	1,15 g
Potassium dihydrogen phosphate	0,2 g
Potassium chloride	0,2 g
Sodium thioglycollate	1,0 g
Calcium chloride	0,1 g
Magnesium chloride	0,1 g
Agar	4,0 g

pH of the ready-to-use medium at 25°C: $7,2 \pm 0,2$

4. PREPARATION

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

5. INSTRUCTIONS FOR USE

- Insert the inoculated sterile swab into the upper third of the transport medium within the transport container.
- Break off the protruding portion of the swab stick and securely tighten the container lid.
- Send the sample to the laboratory within 24 hours for culture analysis.
- Specimens can be refrigerated until ready for shipment

6. QUALITY CONTROL

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

Reference strains	Incubation conditions	Expected results
<i>E. coli</i> ATCC 25922	18 – 24 hours, 35 – 37°C	Good Growth on Subculture Medium
<i>S. aureus</i> ATCC 25923		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

- Amies C.R. (1967) "A Modified Formula for the Preparation of Stuart's Transport Medium". Can. J. Public Health 58: 296-300