

HiCulture™ Transport Swabs w/ Cary -Blair Medium

MS202

Recommended for recovery of aerobic, anaerobic and fastidious bacteria from faecal specimens.

Composition**

Ingredients	Gms / Litre
Disodium phosphate	1.100
Sodium thioglycollate	1.500
Sodium chloride	5.000
Agar	5.000
Final pH (at 25°C)	8.4±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Remove cap from the tube. Collect sample using capped swab. Discard cap of the tube, replace with capped swab.

Principle And Interpretation

Proper collection and transportation of faecal specimens is vital for detection of faecal pathogens. Cary and Blair (1) devised this medium to provide conditions that will allow and increase survival of organisms without aiding multiplication due to minimal nutrients. Sodium thioglycollate in the medium provides a low oxidation reduction potential. An alkaline pH of the medium prevents bacterial destruction due to formation of acid. Sterile cotton swabs allow absorption of specimen material while polystyrene shaft allows semiflexibility to the swab stick, aiding in collection.

Quality Control

Appearance

Sterile Cary-Blair medium in tubes with sterile cotton swabs.

Colour

Light amber coloured medium

Quantity of Medium

8ml of medium in tubes

Reaction

8.20- 8.60

Cultural response

Viability of following organisms was established for a period of 48 hours. Organisms grew luxuriantly when recovered on Tryptone Soya Agar (M290) and incubated at 35 - 37°C for 18-24 hours.

Sterility test

Passes release criteria

Cultural Response

Organism	Recovery
<i>Enterobacter aerogenes</i>	Good -
ATCC 13048	Luxuriant
<i>Escherichia coli</i> ATCC 25922	Good -
	Luxuriant
<i>Klebsiella pneumoniae</i>	Good -
ATCC 13883	Luxuriant
<i>Neisseria meningitidis</i> ATCC 13090	Good -
	Luxuriant
<i>S. serotype Typhimurium</i>	Good -
ATCC 14028	Luxuriant

<i>Shigella flexneri</i> ATCC 12022	Good - Luxuriant
<i>Vibrio parahaemolyticus</i> ATCC 11344	Good - Luxuriant
<i>Vibrio cholerae</i> ATCC 15748	Good - Luxuriant

Storage and Shelf Life

Store between 5 – 25°C with caps firmly screwed. DO NOT FREEZE. Use before expiry date on label.

Reference

1. Cary and Blair, 1964, J. Bact., 88:96.

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