HiCulture™ Transport Swabs w/ Cary -Blair Medium with metal stick

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

**Composition**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Gms / Litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium hydrogen phosphate</td>
<td>1.100</td>
</tr>
<tr>
<td>Sodium thioglycollate</td>
<td>1.500</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>5.000</td>
</tr>
<tr>
<td>Agar</td>
<td>5.000</td>
</tr>
<tr>
<td>Final pH (at 25°C)</td>
<td>8.4±0.2</td>
</tr>
</tbody>
</table>

**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.

**Type of specimen**

Clinical samples: faeces

**Specimen Collection and Handling**

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (2,3). After use, contaminated materials must be sterilized by autoclaving before discarding.

**Warning and Precautions**

In Vitro diagnostic use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

**Limitations**

1. The specimen will be preserved and the viability of the organisms will be also maintained during transport, but over the time it will diminish.
2. Therefore direct inoculation of the specimen is advised.
3. Some growth of accompanying contaminants may also occur during longer period of transit.
4. The specimen should be inoculated into a proper medium as soon as possible.

**Performance and Evaluation**

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.
Quality Control

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

Colour
Light amber coloured medium

Quantity of Medium
8ml of medium in tubes

Reaction
8.20-8.60

Sterility test
Passes release criteria

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.

Organism Recovery
# Klebsiella aerogenes Good -
ATCC 13048 (00175*) Luxuriant
Escherichia coli ATCC
25922 (00013*) Good -
Klebsiella pneumoniae Good -
ATCC 13883 (00097*) Luxuriant
Neisseria meningitidis ATCC Good -
13090 Luxuriant
S. Typhimurium ATCC
14028 (00031*) Good -
Shigella flexneri ATCC
12022 (00126*) Good -
Vibrio parahaemolyticus Good -
ATCC 11344 Luxuriant
Vibrio cholerae ATCC
15748 Good -

Key: (*) Corresponding WDCM numbers (#) Formerly known as Enterobacter aerogenes.

Storage and Shelf Life

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

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (2,3).

Reference


Disclaimer:

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