

HiCulture™ Transport Swabs w/ Cary -Blair Medium

MS202

Intended use

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

Composition**

Ingredients	g / L
Disodium hydrogen 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

Collect sample or specimen using capped swab. Discard cap of the tube with medium and insert the capped swab with the sample till the bottom of the medium. Tighten the cap firmly. Process the sample as soon as possible to obtain optimum recovery. In case where immediate recovery (i.e within 2 hours) is not possible, specimens can be stored at 2-25°C and processed within 48 hours.

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 semi flexibility 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 (1,2). After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions

In Vitro Diagnostic use only. For professional 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 specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations

- 1.Users are recommended to validate the medium for any specific microorganisms other than mentioned in the certificate of analysis based on users unique requirement, as each lot has been tested for the organisms specified on the certificate of analysis.
- 2.Some growth of accompanying contaminants may also occur during longer period of transit.
- 3.Biochemical characterization is required on colonies of pure culture for complete identification.

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 viscous swabs.

Colour

Light amber coloured medium

Quantity of Medium

8ml of medium in tubes

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 Check

Passes release criteria

Cultural Response

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

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

Storage and Shelf Life

Store between 5-30°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 sample must be decontaminated and disposed of in accordance with current laboratory techniques (2,3).

Reference

1. Cary and Blair, 1964, J. Bact., 88:96.
2. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
3. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W.(2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

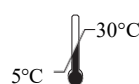
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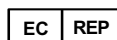
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IVD *In vitro* diagnostic
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Storage temperature



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CE Marking



**Do not use if
package is damaged**

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