



Technical Data

HiCulture™ Transport Swabs w/ Amies Medium w/ Charcoal MS651

Intended Use:

Recommended for recovery of aerobic, anaerobic and fastidious bacteria from throat, vaginal and wound specimens.

Composition*

* Ingredients

	Gms / Litre
Sodium chloride	3.000
Potassium chloride	0.200
Calcium chloride	0.100
Magnesium chloride	0.100
Potassium dihydrogen phosphate	0.200
Disodium hydrogen phosphate	1.150
Sodium thioglycollate	1.000
Charcoal	10.000
Agar	4.000
Final pH (at 25°C)	7.2±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Using the capped swab, provided along with the media containing tube, collect the sample to be transported. Discard the cap of the tube and insert the capped swab with the sample till the bottom of the medium. Tighten the cap firmly. The specimen will be preserved during transportation and also the viability of the organisms will be maintained but it will diminish over the time. Some growth of contaminants may occur during longer period of transport. After the transportation, the specimen should be inoculated in proper medium as soon as possible. The cultures on transport swabs must not be kept at room temperature for more than 24 hours.

Principle And Interpretation

Effective recovery of microorganisms and its identification is dependent on a number of factors such as collection and transportation to the laboratory under conditions which allow maintenance of viability. Amies transport medium w/ charcoal is a modification of Stuarts Transport Medium (1,2,3,4). The medium gives improved recovery of *Neisseria gonorrhoeae* due to presence of charcoal in the medium. Charcoal neutralizes the toxic effects of material that may hamper growth of pathogens. Addition of inorganic phosphate buffer and sodium chloride make this medium different from stuart's transport medium. Calcium and magnesium salts control the permeability of bacterial cells. Presence of sodium thioglycollate and small amounts of agar provide a reduced environment. Sterile cotton swabs allow absorption of specimen material while polypropylene shaft allows semiflexibility to the swab stick, aiding in collection.

Type of specimen

Clinical samples - Throat, Vaginal secretions, Wound swabs, etc.

Specimen Collection and Handling:

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (5,6).

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 clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations :

1. Further recovery from this enriched medium onto selective media is required.
2. The medium should be kept cool but do not freeze.
3. Further biochemical identification is necessary for confirmation.

Please refer disclaimer Overleaf.

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 Amies medium with charcoal in tubes with sterile viscous swabs.

Colour

Black coloured medium

Quantity of Medium

8ml of medium in tubes

Reaction

7.00- 7.40

Sterility Check

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
<i>Pseudomonas aeruginosa</i> ATCC 27853 (00025*)	Luxuriant
<i>Escherichia coli</i> ATCC 25922 (00013*)	Luxuriant
<i>Klebsiella pneumoniae</i> ATCC 13883 (00097*)	Luxuriant
<i>Neisseria meningitidis</i> ATCC 13090	Luxuriant
<i>Salmonella</i> Typhi ATCC 6539	Luxuriant
<i>Shigella flexneri</i> ATCC 12022 (00126*)	Luxuriant
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	Luxuriant

Key : (*) Corresponding WDCM numbers.

Storage and Shelf Life

Store between 5-30°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

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 (5,6).

Reference

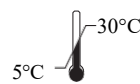
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In vitro diagnostic
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Storage temperature



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