



HiCulture™ Transport Swabs w/ Alternative Thioglycollate Medium

MS010

Recommended for transportation of aerobes, anaerobes and microaerophiles.

Composition**

Ingredients	Gms / Litre
Pancreatic digest of casein	15.000
Yeast extract	5.000
Dextrose (Glucose)	5.500
Sodium chloride	2.500
L-Cystine	0.500
Sodium thioglycollate	0.500

**Formula adjusted, standardized to suit performance parameters

Directions

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

Principle And Interpretation

Alternative Thioglycollate Medium contains sodium thioglycollate that can neutralize the bacteriostatic effect of mercurial preservatives. Absence of agar makes it suitable for testing viscous materials and devices having tubes with small lumina. Casein enzymic hydrolysate, yeast extract, dextrose, L-cystine provides nitrogenous and carbonaceous compounds, vitamin B complex, trace elements and other essential growth nutrients. The composition matches with the medium recommended in pharmacopoeias (1, 2,3). Sterile cotton swabs allow absorption of specimen material while polystyrene shaft allows semiflexibility to the swab stick, aiding in collection.

Quality Control

Appearance

Sterile Alternative Thioglycollate Medium in tubes with sterile cotton swabs.

Colour

Yellow 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 test

Passes release criteria

Cultural Response

Organism	Recovery
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Cultural response

<i>Bacteroides vulgatus</i> ATCC 8482*	Luxuriant
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<i>Clostridium sporogenes</i> ATCC 11437*	Luxuriant
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<i>Candida albicans</i> ATCC 10231**	Luxuriant
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<i>Bacillus subtilis</i> ATCC 6633	Luxuriant
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<i>Bacteroides fragilis</i> ATCC 25285*	Luxuriant
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Micrococcus luteus ATCC 10240 Luxuriant
Neisseria meningitidis ATCC 13090 Luxuriant
Staphylococcus aureus ATCC 25923 Luxuriant
Streptococcus pyogenes ATCC 19615 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.N.I.H. Memorandum, 1955: Culture Media for Sterility Tests, 4th Revision.
- 2.The United States Pharmacopoeia/National Formulary USP31/NF26, 2008, Asian Edition, US Pharmacopoeial Convention Inc. Twinbrook Parkway, Rockville, M.D. 20852.
- 3.Indian Pharmacopoeia, 1996, Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.

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