

BI670

BILE SALTS

Specifications

Appearance : Yellow to brownish yellow homogenous free flowing powder
Moisture : Not more than 6.0%
Clarity (1% solution) : Clear
pH (1% solution) : 5.5-7.5

Microbial Load:(CFU/g)

Total aerobic microbial count by plate method when incubated at 30-35 °c for 48 hours

Bacterial count : NMT 5000

Total Yeast and mold count by plate method when incubated at 20-25 °c for 120 hours

Yeast and mold count : NMT 250

Test for specific organisms

E.coli : Absent
 Salmonella species : Absent
 Pseudomonas aeruginosa : Absent
 Staphylococcus aureus : Absent

Cultural response: Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing MacConkey Agar (B238) using Bile salts as an ingredient.

MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY
Corynebacterium diphtheriae type gravis	inhibited	
Shigella flexneri ATCC 12022	Fair-good	Colorless
Salmonella Paratyphi A ATCC 9150	Luxuriant	Colorless
Salmonella Abony NCTC 6017	Luxuriant	Colorless
Proteus vulgaris ATCC 13315	Luxuriant	Colorless
Salmonella Typhi ATCC 6539	Luxuriant	Colorless
Staphylococcus epidermidis ATCC 12228	inhibited	
Escherichia coli ATCC 8739	Luxuriant	pink-red with bile precipitate
Staphylococcus aureus ATCC 6538	inhibited	
Salmonella Paratyphi B ATCC 8759	Luxuriant	Colorless
Escherichia coli ATCC 25922	Luxuriant	pink-red with bile precipitate
Enterobacter aerogenes ATCC 13048	Luxuriant	pink-red
Salmonella Typhimurium ATCC 14028	Luxuriant	Colorless
Enterococcus faecalis ATCC 29212	None- poor	colourless to pale pink
Salmonella Enteritidis ATCC 13076	Luxuriant	Colorless
Staphylococcus aureus ATCC 25923	inhibited	

Application

Bile Salts is extracted under controlled conditions from purified fresh bile, to be used in bacteriological culture media as a selective inhibitory agent for isolation and identification of pathogens. It is used in media for example MacConkey Agar/Broth, SS Agar, VRBA, Fluid Tetrathionate Medium, etc.

Precaution

1. For Laboratory Use
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

Storage : Below 30°C in cool, dry place.

Packing : 500g

BIOMARK Laboratories – INDIA

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TECHNICAL SHEET

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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