

## TECHNICAL SHEET

BI672

## BILE SALTS MIXTURE

**Specifications****Appearance:** Cream to light yellow color powder with characteristic odour but not putrescent**Moisture:** Not more than 6.0%**Bile salts:** Not less than 45%  
(expressed as cholic acid )**Clarity** (1% aqueous solution): Light yellow colored, clear**pH** (1% aqueous solution): 4.50-6.50**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 MacConkeys Agar (B238), using Bile Salts as an ingredient.

MICROORGANISM (ATCC )	GROWTH	COLOUR OF COLONY
Enterobacter aerogenes (13048)	Luxuriant	Pink to red
Escherichia coli (25922)	Luxuriant	Pink to red with bile precipitate
Escherichia coli (8739)	Luxuriant	Pink to red with bile precipitate
Proteus vulgaris (13315 )	Luxuriant	Colourless
Shigella flexneri (12022)	Fair to good	Colourless
Enterococcus faecalis (29212)	Fair to good	Colourless to pink
Staphylococcus aureus (25923)	Inhibited	--
Staphylococcus aureus (6538)	Inhibited	--

**Application**

For preparation of MacConkey agar, SS agar, Violet Red bile agar as it selectively inhibits Gram-positive and spore-bearing microorganisms without interfering growth of enteric bacteria.

**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** : 500 g

Refer disclaimer overleaf

**BIOMARK Laboratories – INDIA**

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