

Technical Information

Bile Salts

Product Code: BA 2008

Principle & Interpretation

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, for example MacConkey Agar/Broth, Fluid Tetrathionate Medium, etc.

Quality Control

Appearance

Yellow to brownish yellow homogenous free flowing powder.

Solubility

Freely soluble in distilled water.

Clarity

1% w/v aqueous solution is clear and free from extraneous matter.

Reaction

Reaction of 1% w/v aqueous solution at 25°C.

pH Range

5.50- 7.50

Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing MacConkey Agar (DM 1081) using Bile salts as an ingredient.

Cultural Response

Organism	Growth	Colour of colony
Cultural Response		
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Pink to red with bile precipitate
<i>Enterobacter aerogenes</i> ATCC 13048	Luxuriant	Pink to red
<i>Enterococcus faecalis</i> ATCC 29212	Fair to good	Colourless to pink
<i>Proteus vulgaris</i> ATCC 13315	Luxuriant	Colourless
<i>Salmonella Paratyphi A</i> ATCC 9150	Luxuriant	Colourless
<i>Shigella flexneri</i> ATCC 12022	Fair to good	Colourless
<i>Salmonella Paratyphi B</i> ATCC 8759	Luxuriant	Colourless
<i>Salmonella Enteritidis</i> ATCC 13076	Luxuriant	Colourless
<i>Salmonella Typhi</i> ATCC 6539	Luxuriant	Colourless
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-



Dehydrated Culture Media
Bases / Media Supplements

Chemical Analysis

Cholic acid Content	>= 45.0%
Loss on drying	<= 6.0%

Storage and Shelf Life

Dried Media: Store below 30°C. Use before expiry date on the label.

Prepared Media: 2-8° in sealable plastic bags for 2-5 days.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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