

Bile Salt Mixture

Intended Use

Used in microbiological culture media as selective inhibitory agent.

Summary and Principle

Bile Salt Mixture is obtained by hydrolysis of bile salts. It is used as a selective inhibitory agent in bacteriological culture media. It is recommended for use in microbiological culture media for selective isolation and cultivation of bile tolerant enteric bacteria.

Storage and Stability

Store dehydrated medium below 30°C in tightly closed container. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Note: TSE/BSE certificate is available on request.

Directions: Refer to the final concentration in the formula of the medium being prepared.

Quality Control

Test	Specification
Appearance	White to cream coloured homogenous free flowing powder.
Solubility	Completely soluble in water
Colour and Clarity of 1% w/v aqueous solution after autoclaving at 15 psi / 15 min	Colourless to Light straw coloured, clear solution
pH after autoclaving	8.0±1.0
Loss on Drying (Moisture Content)	Not more than 6%
Cholic acid content	Not less than 45%

Cultural Response: Cultural characteristics observed after an incubation at 35°C-37°C for 18-72 hours by preparing MacConkey Agar (201130130500), using Bile salt Mixture as an ingredient

Organism (ATCC)	Growth	Colour of Colony
<i>Escherichia coli</i> (25922)	Good	Pink with bile precipitate
<i>Escherichia coli</i> (8739)	Good	Pink with bile precipitate
<i>Klebsiella aerogenes</i> (13048)	Good	Pink
<i>Proteus mirabilis</i> (25933)	Good	Colourless
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhimurium</i> (14028)	Good	Colourless
<i>Enterococcus faecalis</i> (29212)	Good	Pale pink
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (25923)	Inhibited	-

Reference

1. Vanderzant, C., and D. F. Splittstoesser (eds.). 1992. Compendium of methods for the microbiological examination of food, 3rd ed. American Public Health Association, Washington, D.C.
2. Data on file: Microexpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
202020440100	Bile Salt Mixture	100 g
202020442500	Bile Salt Mixture	2.5 k
202020449925	Bile Salt Mixture	25 k (Bag)
202020449825	Bile Salt Mixture	25 k (Drum)

Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.
