

## 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>	Good	Pink with bile precipitate
<i>Escherichia coli</i>	Good	Pink with bile precipitate
<i>Enterobacter aerogenes</i>	Good	Pink
<i>Proteus mirabilis</i>	Good	Colourless
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Typhimurium</i>	Good	Colourless
<i>Enterococcus faecalis</i>	Good	Pale pink
<i>Staphylococcus aureus</i>	Inhibited	-

### Reference

- 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.
- Data on file: Microexpress®, A Division of Tulip Diagnostics (P) Ltd.

**Product Presentation:**

<b>Cat No.</b>	<b>Product description</b>	<b>Pack Size</b>
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.

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