

Technical Information

Sodium Taurocholate

Product Code: BA 2011

Principle & Interpretation

It is a purified component of Ox bile (free from bile acid) is recommended as a selective agent in microbiological culture media.

Quality Control

Appearance

Light yellow to brown, may have green ting, homogeneous free flowing, hygroscopic powder having characteristic sharp odour, but not putrescent.

Solubility

Freely soluble in distilled or deionized water or alcohol. Insoluble in ether.

Colour and Clarity

The solution is medium amber coloured, clear to very slightly opalescent.

Reaction

Reaction of 2% w/v aqueous solution at 25°C.

pH Range

6.50- 7.50

Cultural Response

Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 24 hours by preparing MacConkey Agar (DM 1082) using Sodium Taurocholate 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	Pale pink to red
<i>Enterococcus faecalis</i> ATCC 29212	Fair to good	Pale pink to red
<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	Fair-good	Pale pink -red



Dehydrated Culture Media
Bases / Media Supplements

Chemical Analysis

Cholic acid Content	>= 45.0%
Substance insoluble in 84% ethanol	<= 0.30%
Loss on drying	<= 5.0%

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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