



Sodium Taurocholate, Certified

CR011

Principle And Interpretation

It is a certified grade of Bile (free from bile acid) and is recommended as a selective agent in microbiological culture media.

Quality Control

Appearance

Light yellow to brown, may have green tinge 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.

Clarity

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

Reaction

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

pH

6.00 - 7.00

Cultural Response

Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 24 hours by preparing MacConkey Agar (M082) using Sodium Taurocholate, Certified as an ingredient.

Cultural Response

Organism	Growth	Colour of Colony
<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</i> Paratyphi A ATCC 9150	Luxuriant	Colourless
<i>Shigella flexneri</i> ATCC 12022	Fair to good	Colourless
<i>Salmonella</i> Paratyphi B ATCC 8759	Luxuriant	Colourless
<i>Salmonella</i> Enteritidis ATCC 13076	Luxuriant	Colourless
<i>Salmonella</i> Typhi ATCC 6539	Luxuriant	Colourless
<i>Staphylococcus aureus</i> ATCC 25923	Fair-good	Pale pink -red

Chemical Analysis

Loss on drying	<= 5.0%
Cholic Acid content	>= 45.0%

Storage and Shelf Life

Store between 10-30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

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