



## Sodium Taurocholate

RM011

### Principle And 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 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.

#### 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

6.50- 7.50

#### Cultural Response

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

#### Cultural Response

Organism	Growth	Colour of Colony
<b>Cultural Response</b> <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

**Chemical Analysis**

Cholic acid Content	$\geq 45.0\%$
Substance insoluble in 84% ethanol	$\leq 0.30\%$
Loss on drying	$\leq 5.0\%$

**Storage and Shelf Life**

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

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