



Sodium Tauroglycocholate

RM708

It is used as a selective inhibitory agent for Bacteriological purpose.

Quality Control

Appearance

Light yellow to light brown.

Nature

Homogeneous.

Consistency

Free flowing, hygroscopic powder.

Odour

Characteristic sharp odour but not putrescent.

Solubility

Soluble in distilled water, slightly soluble in ethanol, methanol and chloroform.

Clarity

1% w/v aqueous solution is clear and free from extraneous matter.

Cultural Response

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

Chemical Analysis

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 | Colourless to pink |
| <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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