

CM 24007 –SODIUMTAUROCHOLATE (A selective inhibitory agent used in Culture Media)

INTENDED USE

For used as a selective inhibitory agent of microbiological culture media.

PRODUCT SUMMARY AND EXPLANATION

Sodium Taurocholate is a bile acid salt and an ionic detergent and used as selective inhibitory agent for bacteriological culture media. It interferes with the growth and incorporation of glucose into various cellular fractions and inhibits flagellum formation in gram-negative bacteria. It is White colour free flowing powder Sparingly soluble in water and alcohol.

PRINCIPLE

It is selective inhibitory agent for used as bacteriological culture media.

INSTRUCTION FOR USE

A bile acid formed by bacterial action from cholate. It is usually conjugated with glycine or taurine. Deoxycholic acid acts as a detergent to solubilize fats for intestinal absorption, is reabsorbed itself, and is used as a choleric and detergent.

QUALITY CONTROL SPECIFICATIONS

Appearance	Greenish yellow colour free flowing powder, having characteristic smell.
Solubility (2% soln. at 25°C)	: Soluble in water. Clear.
pH (2% Soln. at 25°C)	: 6.6 – 8.0
Total Ash	: NMT – 20.0%
Assay	: NLT – 95.0%
Microbial Test	: Passes Test

INTERPRETATION

Cultural Characteristic observed in 2% Sodium Deoxycholate and used in XLD Agar after incubation at 35-37°C for 18-72 hours.

Microorganism	ATCC	Growth	Colour of Colony
Escherichia coli	8739	Luxuriant	Pink to red with bile precipitate
Klebsiella aerogenes	13048	Luxuriant	Pale pink to red
Proteus hauseri	13315	Luxuriant	Colourless
Salmonella enterica serovar Paratyphi A	9150	Luxuriant	Colourless
Salmonella enterica serovar Paratyphi B	8759	Luxuriant	Colourless
Salmonella enterica serovar Enteritidis	13076	Luxuriant	Colourless
Salmonella enterica serovar Typhi	6539	Luxuriant	Colourless
Enterococcus faecalis	29212	Fair to good	Colourless to pink
Shigella flexneri	12022	Fair to good	Colourless
Staphylococcus aureus subsp. aureus	6538	Fair-good	Pale pink -red

PACKAGING:

Standard packing is 25gm, 100gm, in glass bottle. After packing tightly closed in a dry and well- ventilated place.



STORAGE

Store at room temperature in cool place, Keep plastic bottle tightly closed in a dry and well-ventilated place. 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.

Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

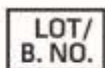
DISPOSAL

After use, contact a licensed professional waste disposal service to dispose of this material. Dispose of as unused product.

REFERENCES: NA



Quantity



Lot / Batch Number



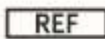
Temperature Unit



Best Before



QR
Code



Catalogue No.



Consults Instructions for use :



Manufacturer

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

*For Lab Use Only