

## 220 M -SODIUM DEOXYCHOLATE (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 Deoxycholate 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

<b>Appearance</b>	White colour free flowing powder.
<b>Solubility (2% soln. at 25°C)</b>	: Sparingly soluble in water and alcohol.
<b>Clarity (1% Soln. at 121°C)</b>	: Clear solution. No ppt.
<b>pH (2% Soln. at 25°C)</b>	: 7.5 – 9.5
<b>Loss on drying (at 105°C)</b>	: NMT – 5.0%
<b>Heavy Metals (Pb)</b>	: NMT – 20 ppm
<b>Assay</b>	: NLT – 98.0%
<b>Microbial Test</b>	: 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	Inoculum (CFU/ml)	Growth
Salmonella typhimurium	14028	50-100	Good - Luxuriant
Salmonella typhi	6539	50-100	Good - Luxuriant
Proteus mirabilis	25933	50-100	Good - Luxuriant
Shigella flexneri	12022	50-100	Good - Luxuriant
Escherichia coli	25922	50-100	Good - Luxuriant
Staphylococcus aureus	25923	50-100	Good - Luxuriant

### 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.

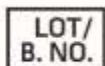
#### DISPOSAL

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

#### REFERENCES:NA



Quantity



Lot / Batch Number



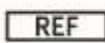
Temperature Unit



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**

**Revision: 05<sup>th</sup> Oct. 2019**