

Sodium Cholate

RM202

Intended use

Sodium Cholate (Cholic acid, sodium salt) is used as a selective inhibitory agent in bacteriological culture media.

Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. It is biological origin product since variation in colour of powder and clarity may observed.
2. Each lot of the product has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's requirement.
3. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium prepared by the product.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

Quality Control

- **Appearance :** White, free flowing powder.
- **Solubility :** Freely soluble in distilled water and methanol.
- **pH :** pH of 5% w/v aqueous solution at 25°C 7.0 - 9.0
- **Cultural response :** Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing TCBS Agar (Selective)(M870) using Sodium cholate as an ingredient.

Cultural Response

Organism	Growth	Colour of colony
<i>Enterococcus faecalis</i> ATCC 29212 (WDCM 00087)	Inhibited	-
<i>Escherichia coli</i> ATCC 25922 (WDCM 00013)	Inhibited	-
<i>Proteus hauseri</i> ATCC 13315	Inhibited	-
<i>Shigella flexneri</i> ATCC 12022 (WDCM 00126)	Inhibited	-
<i>Vibrio cholerae</i> ATCC 15748	Good-luxuriant	Yellow
<i>Vibrio parahaemolyticus</i> ATCC 17802 (WDCM 00037)	Good-luxuriant	Bluish green
<i>Vibrio furnissii</i> NCTC 11218 (WDCM 00186)	Good-luxuriant	Greenish yellow

Chemical Analysis :

Loss on drying (at 105°C) : <5%

Heavy metals (as Pb) : <0.001%

Sulphated ash (on dry basis) : 13.0 - 18.0%

Assay : ≥98.50 %

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.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.



Storage temperature



Do not use if package is damaged



HiMedia Laboratories Pvt Limited
C-40,21/Y, MIDC, Wagle Ind Area
Thane(W)-400604,Maharashtra,India

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Disclaimer :

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