



## Sodium Cholate

RM202

### Principle And Interpretation

Cholic acid, sodium salt is used as a selective inhibitory agent for bacteriological culture media.

### Quality Control

#### Appearance

White, free flowing powder.

#### Solubility

Freely soluble in distilled water and methanol.

#### Reaction

Reaction of 5% w/v aqueous solution at 25°C

#### pH

8.00- 9.50

#### Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing TCBS Agar (M189) using Sodium cholate as an ingredient.

#### Cultural Response

Organism	Growth	Colour of colony
<b>Cultural Response</b>		
<i>Enterococcus faecalis</i> ATCC 29212	inhibited	-
<i>Escherichia coli</i> ATCC 25922	inhibited	-
<i>Proteus vulgaris</i> ATCC 13315	inhibited	-
<i>Shigella flexneri</i> ATCC 12022	inhibited	-
<i>Vibrio cholerae</i> ATCC 15748	good-luxuriant	yellow
<i>Vibrio fluvialis</i> ATCC 33809	good-luxuriant	yellow
<i>Vibrio parahaemolyticus</i> ATCC 17802	good-luxuriant	bluish green
<i>Vibrio vulnificus</i> ATCC 29306	fair-good	greenish yellow

#### Chemical Analysis

Loss on drying(at 105°C)	<= 5.0%
Heavy metals (as Pb)	<= 0.001%
Sulphated ash (on dry basis)	15.80 - 17.0%
Assay	>= 98.505

### Storage and Shelf Life

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

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