



## Sodium Deoxycholate

RM131

### Principle And Interpretation

Sodium deoxycholate is a selective inhibitory agent for bacteriological culture media.

### Quality Control

#### Appearance

White, homogeneous, free flowing powder.

#### Solubility

Freely soluble in distilled water.

#### Clarity

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

#### Reaction

Reaction of 1% w/v aqueous solution at 25°C.

#### pH

7.70-8.70

#### Cultural response

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours by preparing Deoxycholate Citrate Agar (M065), using Sodium Deoxycholate as an ingredient.

#### Cultural Response

Organism	Growth	Colour of Colony	H2S
<b>Cultural Response</b>			
<i>Enterococcus faecalis</i> ATCC 29212	Inhibited		
<i>Escherichia coli</i> ATCC 25922	Poor	Pink with bile precipitate	Negative reaction
<i>Salmonella Enteritidis</i> ATCC 13076	Good-luxuriant	Colourless	Positive reaction, black centered colonies
<i>Salmonella Typhimurium</i> ATCC 14028	Good-luxuriant	Colourless	Positive reaction, black centered colonies
<i>Shigella flexneri</i> ATCC 12022	Good	Colourless	Negative reaction
<i>Escherichia coli</i> ATCC 8739	Poor	Pink with bile precipitate	Negative reaction
<i>Escherichia coli</i> NCTC 9002	Poor	Pink with bile precipitate	Negative reaction
<i>Salmonella Abony</i> NCTC 6017	Good-luxuriant	Colourless	Positive reaction, black centered colonies
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited		

**Chemical Analysis**

Sodium cholate	<= 2.0%
Loss on drying	<= 6.0%
Assay (HPLC)	>= 98%

**Storage and Shelf Life**

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

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