



Dehydrated Culture Media  
Bases / Media Supplements

## Technical Information

### Bile Salts Mixture, Certified

**Product Code: BC2009**

#### Principle & Interpretation

Bile Salts Mixture, Certified is recommended for use in microbiological culture media for selective isolation and cultivation of bile tolerant enteric bacteria. Bile Salts Mixture is obtained by hydrolysis of bile salts

#### Quality Control

##### Appearance

White, homogeneous, free flowing powder with characteristic odour.

##### Solubility

Soluble in distilled water, insoluble in alcohol and ether.

##### Clarity

1% aqueous solution is light straw coloured, clear and free from extraneous matter.

##### Reaction

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

##### pH

7.50-8.50

##### Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing MacConkey Agar (DM1081), using Bile Salts Mixture, Certified as an ingredient.

##### Cultural response

Organism	Growth	Colour of colony
<i>Escherichia coli</i> ATCC25922 Pink to red with bile precipitate	Luxuriant	
<i>Enterobacter aerogenes</i> ATCC 13048	Luxuriant	Pink to red
<i>Enterococcus faecalis</i> ATCC29212	Fair to good	Colourless to pink
<i>Proteus vulgaris</i> ATCC13315	Luxuriant	Colourless
<i>Salmonella Paratyphi</i> AATCC 9150	Luxuriant	Colourless
<i>Shigella flexneri</i> ATCC12022	Fair to good	Colourless
<i>Salmonella Paratyphi</i> BATCC 8759	Luxuriant	Colourless
<i>Salmonella Enteritidis</i> ATCC13076	Luxuriant	Colourless
<i>Salmonella Typhi</i> ATCC6539	Luxuriant	Colourless
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	

##### Chemical Analysis

Cholic acid Content	>= 45.0%
Loss on drying	<= 6.0%

#### Storage and Shelf Life

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



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## Disclaimer :

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