



## Bile, Dried, Certified

CR010

### Principle And Interpretation

Bile Dried, Certified is obtained from purified fresh bile to be used in culture media as a selective inhibitory agent. It is free from formaldehyde. It is prepared under controlled conditions of temperature that helps to ensure a uniform, reproducible product and to eliminate difficulties encountered in obtaining satisfactory supplies of fresh bile. It selectively inhibits bacteria growing in enteric environment and is recommended in media used for cultivation of enteric pathogens. It is equivalent to Ox Bile, Dried Certified.

### Quality Control

#### Appearance

Yellowish green, homogeneous, free flowing powder having bile like odour.

#### Solubility

Freely dissolves in distilled/ purified water.

#### Reaction

Reaction of 2% w/v aqueous solution at 25°C.

#### pH

6.50- 7.50

#### Cultural Response

Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 48 hours by preparing Brilliant Green Bile Broth 2% (M121) using Bile, Dried, Certified as an ingredient.

#### Cultural Response

Organism	Growth	Gas
<i>Bacillus cereus</i> ATCC 10876	Inhibited	-
<i>Escherichia coli</i> ATCC 25922	Good-luxuriant	Positive reaction
<i>Enterobacter aerogenes</i> ATCC 13048	Good-luxuriant	Positive reaction
<i>Enterococcus faecalis</i> ATCC 29212	None-poor	Negative reaction
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-

#### Chemical Analysis

Cholic acid Content(on Dried basis)  $\geq 45.0\%$

Loss on drying  $\leq 6.0\%$

### Storage and Shelf Life

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

#### Disclaimer :

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