



Technical Data Sheet

Format no: RDM/TD/BS-02

Revision: 01 / 2024

Bile salt

RDM-BS-02

Principle: Bile is derived from the liver. It is used as selective agents for the isolation of gram-negative microorganisms and inhibits the growth of many gram-positive cocci. It allows growing bile tolerant enteric microorganisms at a concentration of 0.25-0.5%.

Use: Recommended to use as selective agent in culture media for isolation of gram-negative microorganisms.

Quality Control

Appearance	Cream colored homogeneous free flowing, powder
Solubility (1%)	Soluble in distilled water
Clarity	Light amber color clear solution without haziness at 2 % concentration
pH	6.00 – 8.50
Loss on drying	NMT 7.00% as estimated by AOAC Method.

Chemical analysis

Total Nitrogen	NLT 8.85%
Amino Nitrogen	NLT 4.44%
Residue on ignition	NMT 07.23%

Bacteriological testing: Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using Bi-peptone under test.

Test for pathogens:

Total Plate Count	NMT 10000 cfu per gram.	800
Yeast & Molds	Absent per 10 grams	Absent
<i>Escherichia coli</i>	Absent per 10 grams	Absent
<i>Salmonella</i>	Absent per 10 grams	Absent
<i>Staphylococcus aureus</i>	Absent per 10 grams	Absent

Culture response: Cultural response observed after incubation at 35-37°C for 24 hours by using MacConkey Agar in water, pH 7.2-7.4.

<i>Escherichia coli</i> (ATCC 25922)	Luxurious growth
<i>Salmonella typhimurium</i> (ATCC 14028)	Luxurious growth
<i>Pseudomonas aeruginosa</i> (ATCC 10145)	Luxurious growth

Storage and Shelf Life: The product is highly hygroscopic; keep the container tightly closed at all times and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label.

Disposal: To avoid the contamination or propagation of any hazardous microbes used, unusable or modified preparation of this product must be disposed after autoclaving or incineration after completion of task.

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