



Bile Salts, Certified

CR008

Intended use

Bile Salts, Certified is refined product obtained by precipitating the bile salts with hydrochloric acid and separated from bile pigments and other substances in crude bile. It allows growth of bile tolerant enteric microorganisms at a concentration of 0.25-0.5%, used in media like MacConkey Agar/Broth, SS Agar, VRBA, Fluid Tetrathionate Medium, etc.

Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. It is biological origin product since variation in colour of powder and clarity may observed.
2. Each lot of the product has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's requirement.
3. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium prepared by the product.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

Quality Control

- **Appearance** : Yellow to greenish yellow coloured, homogeneous, free flowing powder.
- **Solubility** : Soluble in distilled/purified water.
- **pH** : pH of 1% w/v aqueous solution at 25°C 6.00-7.00
- **Cultural response** : Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing MacConkey Agar (M081), using Bile Salt Mixture as an ingredient.

Cultural Response

Organism	Growth	Colour of colony
<i>Escherichia coli</i> ATCC 25922 (WDCM 00013)	Luxuriant	Pink to red with bile precipitate
* <i>Klebsiella aerogenes</i> ATCC 13048 (WDCM 00175)	Luxuriant	Pink to red
<i>Enterococcus faecalis</i> ATCC 29212 (WDCM 00087)	Fair to good	Colourless to pale pink
<i>Proteus hauseri</i> ATCC 13315	Luxuriant	Colourless

Cultural Response

Organism	Growth	Colour of colony
<i>Salmonella enterica</i> subsp. Enterica Paratyphi A ATCC 9150	Luxuriant	Colourless
<i>Shigella flexneri</i> ATCC 12022(WDCM 00126)	Fair to good	Colourless
<i>Salmonella enterica</i> subsp. Enterica Paratyphi B ATCC 8759	Luxuriant	
<i>Salmonella enterica</i> subsp. enterica Enteritidis ATCC 13076(WDCM 00030)	Luxuriant	Colourless
<i>Salmonella enterica</i> subsp. enterica Typhi ATCC 6539	Luxuriant	Colourless
<i>Staphylococcus aureus</i> subsp. aureus ATCC 25923 (WDCM 00034)	Inhibited	-

(*)formerly known as *Enterobacter aerogenes*

Chemical Analysis :

Cholic acid content : $\geq 45.00\%$

Loss on drying : $\leq 6.00\%$

Storage and Shelf Life

Store between 10-30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.



Storage temperature



Do not use if package is damaged



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Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.