



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Sodium Deoxycholate

Product Code: BA2131

Principle & Interpretation

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

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

White to cream homogenous free flowing powder

Solubility

Freely soluble in distilled water.

Clarity

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

pH

pH of 1% w/v aqueous solution at 25°C 7.7 - 8.7

Cultural response : Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours by preparing Deoxycholate Citrate Agar (DM1030), using Sodium Deoxycholate as an ingredient.

Cultural response

Organism	H ₂ S	Growth	Colour of Colony
<i>Enterococcus faecalis</i> ATCC 29212(WDCM 00087)	Not applicable	Inhibited	Not applicable
<i>Escherichia coli</i> ATCC 25922(WDCM 00013)	Negative reaction	Poor	Pink with bile precipitate
<i>Salmonella enterica</i> subsp. <i>enterica</i> Enteritidis ATCC 13076 (WDCM 00030)	Positive reaction,	Good luxuriant blackcentered colonies	Colourless



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<i>Salmonella enterica</i> subsp. <i>Enterica</i> Typhimurium ATCC 14028(WDCM 00031)	Positive reaction, blackcentered colonies	Good luxuriant	Colourless
<i>Shigella flexneri</i> ATCC 12022 (WDCM 00126)	Negative reaction	Good	Colourless
<i>Escherichia coli</i> ATCC 8739 (WDCM 00012)	Negative reaction	Poor	Pink with bile precipitate
<i>Escherichia coli</i> NCTC 9002	Negative reaction	Poor	Pink with bileprecipitate
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype Abyony NCTC 6017(WDCM 00029)	Positive reaction, blackcentered colonies	Good luxuriant	Colourless
<i>Staphylococcus aureus</i> subsp. <i>Aureus</i> ATCC25923 (WDCM 00034)	Not applicable	Inhibited	Not applicable

Chemical Analysis

Loss on drying : ≤ 6.00 %

Assay : ≥ 98.00 %

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.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House 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 diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- 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.
- Do not use the products if it fails to meet specifications for identity and performance parameters.