



Sterile Mineral Oil

R045

Intended use

Sterile Mineral Oil is used as a sealant to create an anaerobic environment in biochemical tests . It is also recommended for preservation of microorganism

Composition**

Ingredients

Sterile Mineral Oil

Directions

1. Overlay each inoculated tube with sterile mineral oil (0.5-1cm).
2. Tighten the caps of inoculated, overlaid tubes and incubate at appropriate temperature.

Principle And Interpretation

Mineral oils are usually seen as a mixture of liquid hydrocarbons. It is derived from crude oil by distillation and refining. Sterile mineral oil is recommended to overlay in biochemical tests such as decarboxylase, oxidation and fermentation reactions. It is also used in preservation of microorganisms.

Type of specimen

Biological sample

Specimen Collection and Handling

Follow appropriate techniques for handling specimens as per established guidelines

Warning and Precautions

Non In Vitro diagnostic use only. 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. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. It fails to prevent changes in the characteristics of a strain due to the development of variants and mutants
2. Once vial opened it has to be used or preserved carefully otherwise it will get slowly contaminated with microorganisms.

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** : Colourless viscous solution.

- **Clarity** : Clear with no insoluble particles.
- **Sterility Testing** : Sterility of the mineral oil was checked by inoculating 1 ml mineral oil in 100 ml sterile Soyabean Casein Digest Medium (M011) and Alternate Thioglycollate Medium (M010).Incubate at 30-35°C for 14 days.
- **Results** : Absence of turbidity (clear medium) after 14 days at 30-35°C.

Storage and Shelf Life

On receipt 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 .

Reference

1. Biochemical Tests for the Identification of Aerobic Bacteria. (2016). Clinical Microbiology Procedures Handbook, 3.17.1.1–3.17.48.3.
2. Murray, P.R., E.J. Baron, J.H. Jorgensen, M.L. Landry, and M.A. Pfaller. 2007. Manual of Clinical Microbiology. 9th ed. ASM Press, Washington, D.C.



Storage temperature



Do not use if package is damaged



HiMedia Laboratories Pvt Limited
C-40,21/Y, MIDC, Wagle Ind Area,
Thane(W)-400604,Maharashtra,India

Revision : 01/2023

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.