

PRODUCT SPECIFICATION SHEET



Sterile Mineral Oil (AR042)

Use

Sterile mineral oil is used as a sealant to create an anaerobic environment for biochemical tests such as decarboxylase and oxidation and fermentation reactions.

Principle

Mineral oil overlay protects the surface of the media from the air, thus preventing false reactions at the top of the tube. Similarly, an oil overlay in one of two identically inoculated tubes of oxidation/fermentation media allows differentiation of fermenters, oxidizers and non-oxidizers.

Certain biochemical tests, such as decarboxylation and deamination reactions, rely on the organisms ability to metabolize specific substrates in the test media under anaerobic conditions.

Ingredients

Ingredients	Formula / Litre
Mineral Oil	100%

Storage And Stability

1. Upon receipt store at 10-30°C. Store the bottle in dry, cool and dark place.
2. The shelf life of reagents is as per the expiry date mentioned on the reagent bottle labels.

Procedure

1. Overlay tubed media for biochemical testing, (i.e. Decarboxylase,) with one centimeter of Mineral Oil.
2. Use aseptic technique. Refer technical specifications and for interpretation of results.⁽¹⁻⁴⁾

PRECAUTIONS

1. For Invitro Diagnostic use only
2. Product to be used only by adequately trained and qualified laboratory personnel.
3. Do not ingest, inhale, or allow to come into contact with skin.
4. **Warning:** Mineral Oil is highly flammable. Keep away from heat and flames.

QUALITY CONTROL

Appearance: Clear and Colorless solution

Sterility: Passes Release Criteria

LIMITATIONS

1. Medium and light weight Mineral Oils may allow permeation of oxygen.
2. Mineral Oil which has become acidic can contribute to false-positive results.

Packaging

Product Name : **Sterile Mineral Oil**

Product Code : **AR042**

Available Pack sizes : **500ml/100ml**

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REFERENCES

1. Tille, P., et al. Bailey and Scott's Diagnostic Microbiology, C.V. Mosby Company, St. Louis, MO.
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3. Isenberg, H.D. Clinical Microbiology Procedures Handbook, Vol. I, II & III. American Society for Microbiology, Washington, D.C.
4. Koneman, E.W., et al. Color Atlas and Textbook of Diagnostic Microbiology, J.B. Lippincott Company, Philadelphia, PA.
5. MacFaddin, J.F. Biochemical Tests for Identification of Medical Bacteria,, Lipincott Williams & Wilkins, Philadelphia, PA.
6. Quality Assurance for Commercially Prepared Microbiological Culture Media, M22. Clinical and Laboratory Standards Institute (CLSI - formerly NCCLS), Wayne, PA.

Further Information

For further information please contact your local MICROMASTER Representative.



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