



Semisolid Liver Meat Medium

M1321

For cultivation of fastidious anaerobes.

Composition**

Ingredients	Gms / Litre
Glucose	2.000
Liver meat base	30.000
Agar	6.000
Final pH (at 25°C)	7.6±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 38 grams in 1000 ml distilled water. Soak for 15 minutes with occasional stirring. Heat to boiling. Dispense in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle And Interpretation

Anaerobic bacteria live in an oxygen-free environment. Some anaerobic bacteria actually die if oxygen is present, while others fail to grow and multiply (1). Semisolid Liver Meat Medium is used for the cultivation of fastidious anaerobes in the respiratory tract, especially anaerobes from deep tissue sites.

The medium contains liver meat, which provides amino acids and other nutrients and reducing substances for the growth of fastidious anaerobes. Semisolid nature of the medium favours growth of anaerobic microorganisms. Glucose is the source of fermentable carbohydrates.

Quality Control

Appearance

Light yellow to brown homogeneous free flowing powder

Gelling

Semisolid, comparable with 0.6% Agar gel.

Colour and Clarity of prepared medium

Medium amber coloured clear to slightly opalescent gel in tubes

Reaction

Reaction of 3.8% w/v aqueous solution at 25°C. pH : 7.6±0.2

pH

7.40-7.80

Cultural Response

M1321: Cultural characteristics observed after an incubation at 35-37°C for 2 4-48 hours.

Organism	Growth
Cultural Response	
<i>Clostridium</i>	luxuriant
<i>perfringens</i> ATCC 12924	
<i>Clostridium sporogenes</i>	luxuriant
ATCC 11437	
<i>Clostridium tetani</i> ATCC	luxuriant
10779	

Storage and Shelf Life

Store below 30°C in tightly closed container and prepared media at 2 – 8°C. Use before expiry date on label.

Reference

1. Alcamo E. I., 2001, Fundamentals of Microbiology, 6th Ed., Jones and Bartlett Publishers

Revision : 1 / 2011



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.