



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Meat Extract Paste

Product Code: BA2274

Principle & Interpretation

HM Peptone B Paste is rich source of nutrients and supports good growth of a wide variety of fastidious microorganisms. It serves as a crude source of carbon and nitrogen, therefore recommended for use in bacteriological media. It can be used for a number of general purpose media and diagnostic media. It can also be used for bulk production of antibiotics, enzymes and other products. It is equivalent to Meat Extract B Paste.

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 be 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

Brownish yellow to brown homogenous highly viscous paste, having characteristic odour but not putrescent.

Solubility

Freely soluble in distilled/purified water, insoluble in alcohol.

Clarity

1% w/v aqueous solution remains clear without haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Reaction

Reaction of 2% w/v aqueous solution at 25°C.

pH

5.00- 7.00

Microbial Load:

Total aerobic microbial count (cfu/gm)

By plate method when incubated at 30-35°C for not less than 3 days.

Bacterial Count : <= 2000 CFU/gram

Total Yeast and mould count (cfu/gm)

By plate method when incubated at 20-25°C for not less than 5 days.

Yeast & mould Count : <= 100 CFU/gram

Test for Pathogens

1. *Escherichia coli* -Negative in 10 gms of sample



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2. *Salmonella* species-Negative in 10 gms of sample
3. *Pseudomonas aeruginosa*-Negative in 10 gms of sample
4. *Staphylococcus aureus*- Negative in 10 gms of sample
5. *Candida albicans*- Negative in 10 gms of sample
6. *Clostridia*- Negative in 10 gms of sample

Indole Test

Tryptophan content: Passes

Cultural response

Cultural response observed after an incubation at 35-37°C for 18-48 hours by preparing Blood Agar Base (DM1073) using HM Peptone B Paste as an ingredient.

Cultural response

Organism	Growth w/o Blood	Growth with Blood	Haemolysis
<i>Neisseria meningitidis</i> ATCC13090	Fair	Luxuriant	None
<i>Staphylococcus aureus</i> ATCC 25923	Good	Luxuriant	Beta
<i>Staphylococcus epidermidis</i> ATCC 12228	Good	Luxuriant	None
<i>Streptococcus pneumoniae</i> ATCC 6303	Fair Good	Luxuriant	Alpha
<i>Streptococcus pyogenes</i> ATCC 19615	Fair Good	Luxuriant	Beta

Chemical Analysis

Total Nitrogen	>= 8.0%
Amino Nitrogen	>= 2.0%
Total Solid	>= 65.0%
Residue on ignition	<= 12.0%

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.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.