



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Mycological Peptone, Certified

Product Code: BC2006

Principle & Interpretation

Mycological peptone is a mixture of vegetable and plant peptones which is nutritious source for the isolation, cultivation and identification of saprophytic and dermatophytic fungi-yeast and moulds.

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

Light yellow to yellow Homogenous Free flowing powder

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

6.50- 7.50

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



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Test for Pathogens

1. *E.coli*-Negative in 10 gms of sample
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. *C.albicans*- Negative in 10 gms of sample
6. *Clostridia*- Negative in 10 gms of sample

Indole Test

Tryptophan content: Passes

Cultural response

CR006: Cultural response observed after an incubation at 25-30°C for 48-72 hours by preparing Malt Extract Agar (DM1137) using Mycological Peptone, Certified as an ingredient.

Cultural response

Organism	Growth
<i>Candida albicans</i> ATCC 10231	Luxuriant
<i>Saccharomyces cerevisiae</i> ATCC 9763	Luxuriant
<i>Aspergillus brasiliensis</i> ATCC 16404	Luxuriant

Chemical Analysis

Total Nitrogen	>= 11.0%
Amino Nitrogen	>= 4.50%
Sodium chloride	<= 5.0%
Loss on drying	<= 5.0%
Residue on ignition	<= 13%

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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- 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.