

# PRODUCT INFORMATION

**Product Type:** Tubes (16\*150)

**Cat No. TT234 - BRAIN HEART INFUSION AGAR (BHI) + CHL**

## **Intended Use:**

This medium is designed for the selective isolation and cultivation of fungi, particularly pathogenic species, while inhibiting bacterial growth.

## **Principles and uses:**

Supports growth of fastidious fungi. Effectively suppresses most bacterial contaminants. Applications: Isolation of pathogenic fungi from clinical specimens. Mycological studies in heavily contaminated samples. Environmental fungal testing. The nutritionally rich base of beef heart and calf brain infusions and peptone mixture provide nitrogen, vitamins, minerals and amino acids essential for growth of a variety of microorganisms. Dextrose is the carbon energy source and Sodium chloride maintains the osmotic balance.

## **Formula**

Dextrose 2g/L  
Disodium phosphate 2,5g/L  
Gelatin peptone 10g/L  
Sodium chloride 5g/L  
Heart infusion 10g/L  
Brain infusion 7,5g/L  
Agar 18g/L  
Chloramphenicol 12.5g/L

**Storage:** 2-8°C

**Appearance:** Amber

**pH Range:** 7.0-7.6

**Package contents:** 20 Tubes

**Shelf life:** 2 months

**Exp. Date:** Printed on label and on the item.

**Required materials not supplied:** Laboratory equipment as required.

### Warning and Precautions:

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Tubes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Tubes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

### Waste Disposal

After interpretation all items should be destroyed by standard incineration methods.

### Performance Testing Results:

Streaking from fresh colony culture.

| TEST                            | ATCC     | Incubation Temp. (°C) | Incubation Cond       | Reaction 1          |                |
|---------------------------------|----------|-----------------------|-----------------------|---------------------|----------------|
| <i>Trichophyton rubrum</i>      | MYA 4438 | 20-25 °C              | Aerobic, up to 7 days | Growth              | White mycelium |
| <i>Penicillium notatum</i>      | 10108    | 20-25 °C              | Aerobic, up to 7 days | Growth              |                |
| <i>Penicillium expansum</i>     | 7861     | 20-25 °C              | Aerobic, up to 7 days | Growth              |                |
| <i>Aspergillus brasiliensis</i> | 16404    | 20-25 °C              | Aerobic, up to 7 days | Growth              | Black spores   |
| <i>Candida albicans</i>         | 10231    | 20-25 °C              | Aerobic, up to 7 days | Growth              |                |
| <i>Saccharomyces cerevisiae</i> | 2338     | 20-25 °C              | Aerobic, up to 7 days | Growth              |                |
| <i>Escherichia coli</i>         | 25922    | 20-25 °C              | Aerobic, up to 7 days | Partially inhibited |                |
| <i>Staphylococcus aureus</i>    | 25923    | 20-25 °C              | Aerobic, up to 7 days | Inhibited           |                |