



## Product Data Sheet

### **FUNGAL BROTH (MYCOLOGICAL BROTH)**

**Product No.** GB-DCM-00224-1A

### **INTENDED USE**

For cultivation of fungi.

### **PRODUCT SUMMARY**

Mycological Broth is a basal medium to which antifungal agents may be added for checking their effect on fungi or antibacterials to render them selective for isolation and cultivation of fungi. Mycological Agar is used while working with pathogenic fungi. Earlier media for fungi generally relied on an acidic pH to make the media less suitable for the growth of many bacteria. Fungal Agar is prepared according to the formulation suggested by Huppert and Walker. Mycological Broth is similar in composition to Mycological Agar (Fungal Agar), except agar.

### **Product Specifications**

<b>Ingredients</b>	<b>Gms / Ltr</b>
Soya peptone	10.000
Dextrose	10.000

### **PRINCIPLE**

The medium consists of Soya peptone in the medium which provides nitrogen, vitamins and minerals necessary to support bacterial growth. Dextrose is a carbon source required for the growth of fungi.

### **INSTRUCTION FOR USE**

- Dissolve 50.0 grams in 1000 ml purified/distilled water.
- Heat if necessary to dissolve the medium completely.
- Dispense into tubes or flasks as desired and Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C. For preparing selective media, acidify the media upto pH 3.0-4.0 by the addition of two vials of 10% Lactic Acid Solution.

### **DISPOSAL**

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Aspergillus brasiliensis	16404	50-100	luxuriant	25-30°C	48-72 Hours
Candida albicans	10231	50-100	luxuriant	25-30°C	48-72 Hours
Lactobacillus acidophilus	11506	50-100	luxuriant	25-30°C	48-72 Hours
Saccharomyces cerevisiae	9763	50-100	luxuriant	25-30°C	48-72 Hours
Saccharomyces uvarum	28098	50-100	luxuriant	25-30°C	48-72 Hours
Staphylococcus aureus subsp. aureus	25923	50-100	luxuriant	25-30°C	48-72 Hours
Trichophyton mentagrophytes	9533	10-100	luxuriant	25-30°C	Upto 7 Days

### QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Cream to yellow homogeneous free flowing powder.  
 Appearance of prepared medium: Light amber coloured, clear to slightly opalescent gel forms in Petri plates.  
 pH (at 25°C) : 7.0±0.2

### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

**This product is for research use only.**