

## MM0275

## Sabouraud Maltose Agar

### **Use and description:**

Medium used for the isolation of non-pathogenic and pathogenic fungi. Bacteria are inhibited by the low pH and by the addition of antibiotics such as cycloheximide, streptomycin, chloramphenicol, novobiocin and gentamicin. The combination of cycloheximide and chloramphenicol inhibits many pathogenic fungi.

### **Composition per liter:**

|         |        |
|---------|--------|
| Peptone | 10.0 g |
| Maltose | 40.0 g |
| Agar    | 15.0 g |

**Final pH of the ready to use medium:**  $5.6 \pm 0.2$

### **Medium preparation:**

Add 65.0 grams of dehydrated culture medium to 1 liter of distilled water. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

### **Quality specifications:**

Dehydrated medium: homogeneous, light beige fine powder.

Ready to use medium: light amber-colored agar, slightly opalescent.

### **Microbiological Response:**

| Organism                                | Result                    |
|-----------------------------------------|---------------------------|
| <i>Escherichia coli</i> ATCC 25922      | Negative                  |
| <i>Staphylococcus aureus</i> ATCC 25923 | Negative                  |
| <i>Aspergillus niger</i> ATCC 16404     | Woolly and black mycelium |
| <i>Candida albicans</i> ATCC 10231      | Off-white creamy colonies |

### **Storage:**

Dehydrated medium should be stored between 10 to 25.0°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or the color has changed from the original.