

## MM0113

## Dermasel Agar

### **Use and description:**

The medium recommended for the cultivation and differentiation of dermatophyte fungi. The pH is not so acidic like in Sabouraud dextrose agar. The selectivity ensured by the addition of cycloheximide with chloramphenicol. This combination of cycloheximide and chloramphenicol inhibits many pathogenic fungi.

### **Composition per liter:**

Peptone.....10.0 g  
Glucose.....20.0 g  
Agar.....15.0 g

**Final pH of the ready to use medium:** 6.9 ± 0.2

### **Medium preparation:**

Add 45 grams of dehydrated culture medium to 1 liter of distilled water. Add 1 vial of antibiotic supplement per 500 ml medium. 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, slightly opalescent agar.

### **Microbiological Response:**

<b>Organisms</b>	<b>Result</b>	<b>Colony colour</b>
<i>Candida albicans</i> ATCC 10231	Good growth	creamy
<i>Aspergillus niger</i> ATCC 16404	Inhibited	-
<i>Escherichia coli</i> ATCC 25922	No growth	-

### **Storage:**

Dehydrated medium should be stored between 10 to 25°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.