

MM0200

**Sabouraud Dextrose Agar
with Chloramphenicol 0.5**

Use and description:

The Sabouraud Dextrose Agar with chloramphenicol is a selective medium that can be used for the cultivation of yeast, molds and aciduric microorganisms. It is used for cultivating pathogenic fungi, particularly those associated with skin infections. This medium is also used for determining the microbial and fungal content of cosmetics and for the mycological evaluation of food. The low pH is favourable for fungi and slightly inhibitory to contaminating bacteria. Sabouraud dextrose agar can be made more selective by the addition of cycloheximide or antibiotics such as streptomycin, chloramphenicol, novobiocin or gentamicin. The combination of cycloheximide and chloramphenicol inhibits most of pathogenic fungi but allows growth of dermatophytes.

Composition per liter:

Peptone	10.0 g
Glucose	40.0 g
Agar	15.0 g
Chloramphenicol	0.5g

Final pH of the ready to use medium: 5.6 ± 0.2

Medium preparation: Add 65.0 grams of dehydrated culture medium to 1 liter of distilled water until evenly dispersed. 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-inhibited
<i>Staphylococcus aureus</i> ATCC 25923	Negative-inhibited
<i>Aspergillus niger</i> ATCC 16404	Growth
<i>Candida albicans</i> ATCC 10231	Off-white creamy colonies- good 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 if the color has changed from the original.