

MM0393

Sabouraud Dextrose Agar with 0.05 g Chloramphenicol

Use and description:

The medium recommended for the cultivation and differentiation of non-pathogenic and pathogenic fungi other bacteria inhibited by the acid pH. This agar is more selective by the addition of chloramphenicol, novobiocin and entamicin.

Composition per liter:

Peptone.....10.0 g
Glucose.....37.5 g
Chloramphenicol.....0.05 g
Agar.....15.0 g

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

Medium preparation:

Add 62,5 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, slightly opalescent agar.

Microbiological Response:

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

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.