

PRODUCT INFORMATION

Sabouraud Dextrose Agar with Chloramphenicol

Cat. No. S19-100C

DESCRIPTION

Sabouraud Dextrose Agar with Chloramphenicol, otherwise known as SDA with Chloramphenicol or Sab Dex Agar with Chloramphenicol, is an agar medium for the cultivation, isolation and identification of dermatophytes and both pathogenic and non-pathogenic yeasts and molds.

The medium contains dextrose as the carbon and energy source and a peptone mixture that provides nitrogen, vitamins, minerals and amino acids. Due to the high dextrose concentration and the acidic pH this medium is selective for fungi.

This is a modification of the Sabouraud Dextrose Agar that includes Chloramphenicol which inhibits the great majority of bacterial contaminants helping in the isolation of fungi in contaminated materials.

FORMULA (g/L)

Enzymatic Digest of Casein	5.0 g	Dextrose	40.0 g
Peptic Digest of Animal Tissue	5.0 g	Agar	15.0 g
Chloramphenicol	0.05 g		

Final pH: 5.6 ± 0.2 at 25 °C

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 65 grams of the medium in one liter of purified 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 CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium trace to slightly hazy and amber.
3. Expected cultural response after 2-7 days at 30 °C.

ORGANISM	RESULT
<i>Aspergillus brasiliensis</i> ATCC 16404	Good Growth
<i>Candida albicans</i> ATCC 10231	Good Growth
<i>Escherichia coli</i> ATCC 25923	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9763	Good Growth
<i>Trichophyton mentagrophytes</i> ATCC 9533	Good Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.