

## PRODUCT INFORMATION

Sabouraud Dextrose Agar

Cat. No. S19-100

### DESCRIPTION

Sabouraud Dextrose Agar, otherwise known as SDA or Sab Dex Agar, is an agar medium for the cultivation, isolation and identification of yeasts and molds and aciduric microorganisms. This medium is also used for the mycological evaluation of food and determining the microbial and fungal content of cosmetics.

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.

Furthermore, the isolation of pathogenic fungi can be narrowed down by aseptically adding the following antibiotics for one liter of medium, making it more selective: 0.4 g Cycloheximide, 40 mg Streptomycin, 20 units Penicillin.

### 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

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 yellow to light amber.
3. Expected cultural response after 2-7 days at 25 °C.

ORGANISM	RESULT
<i>Aspergillus brasiliensis</i> ATCC 16404	Good Growth – White cottony, black spores
<i>Candida albicans</i> ATCC 10231	Good Growth – Off white, pasty texture
<i>Saccharomyces cerevisiae</i> ATCC 9763	Good Growth – Off white, pasty texture
<i>Trichophyton mentagrophytes</i> ATCC 9533	Good Growth – White cottony

## 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.