



Product Data Sheet

SABOURAUD DEXTROSE AGAR

Product No. GB-DCM-00459-1A

INTENDED USE

For cultivation of yeasts, molds and aciduric microorganisms.

Product Description

Sabouraud Dextrose Agar is Carlier's modification of the formulation described by is a modification of Sabouraud Dextrose Agar which is described by Sabouraud for the cultivation of fungi (yeasts, moulds), particularly useful for the fungi associated with skin infections. This medium is also employed to determine microbial contamination in food, cosmetics, and clinical specimens.

COMPOSITION

Ingredients	Gms / Ltr
Dextrose (Glucose)	40.000
Mycological, peptone	10.000
Agar	15.000

PRINCIPLE

Mycological Peptone provides nitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pH favors fungal growth and inhibits contaminating bacteria from test samples.

INSTRUCTION FOR USE

- Dissolve 65.0 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C. Mix well and pour into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium: Light amber coloured clear to slightly opalescent gel forms in Petri plates.
PH (at 25°C): 5.6±0.2

Microorganism	ATCC	Inoculum (CFU)	Growth	Recovery	Incubation Temperature	Incubation Period
Candida albicans	10321	10-100	Luxuriant (white colonies)	≥ 70 %	30-35°C	24-48 Hours
Aspergillus brasiliensis	16404	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours
Candida albicans	2091	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours
Saccharomyces cerevisiae	9763	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours
Escherichia coli	8739	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours
Escherichia coli	25922	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours
Escherichia coli	9002	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours
Lactobacillus casei	334	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours
Trichophyton rubrum	28191	10-100	Luxuriant	≥ 70 %	43-45 °C	48 Hours



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STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

This product is for research use only.