

# SURCHECK SABOURAUD DEXTROSE AGAR

**INTENDED USE:**

An acidic pH medium for the isolation of dermatophytes, other fungi and yeasts.

**PRINCIPLE AND INTERPRETATION:**

Sabouraud Dextrose Agar is a peptone medium supplemented with dextrose to support the growth of fungi. The peptones are sources of nitrogenous growth factors. Dextrose provides an energy source for the growth of microorganisms.

**COMPOSITION:**

Ingredients	Gr/Liter
Mycological peptone	10 gr
Glucose(dextrose)	40 gr
Agar	15 gr

\*\*\*Formula adjusted, standardized to suit performance parameters

pH: 5,6 ± 0,2

**PRECAUTIONS:**

For professional use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

**TEST PROCEDURE:**

Before use, agar surface should be smooth and moist, but without excessive moisture because this could be cause of confluent growth.

1. The medium should be warmed to room temperature and the surface should be dry prior to use.
2. Open the lid carefully.
3. Press the convex agar for 10 seconds on the surface to be tested with a light uniform pressure. Pressure should be the same for every sample. Do not move plate laterally.
4. Replace the lid and mark the plate with appropriate data.
5. Clean the sample area with a disinfectant in order to any remaining of the agar.
6. The plates for determination of the total aerobic bacterial count should be incubated at 30 to 35 °C for 48 to 72 hours, while the plates for determination of the total yeast and mold count should be incubated at 20 to 25 °C for 5 to 7 days

**QUALITY CONTROL:****1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 5,6 ± 0,2

Appearance: Amber

**3.Microbiological Control:** Incubation at 35± 2 °C;24-48 hours and 25±2 °C:5 d

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Candida albicans ATCC 10231	10-100	Good	Good
Aspergillus brasiliensis ATCC 16404	100-1000	Good	Good

**LIMITATIONS OF THE PROCEDURE:**

For identification, organisms must be in pure culture. Morphological, biochemical, and/or serological tests should be performed for final identification.

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2-12°C or 2-25°C. Use before expiry date on the label. Do not use beyond stated expiry date.

## DISPOSAL:

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

## PACKAGING:

**Katalog Number:** 06105

**Packaging:** Single wrap

**Content:** 10 plates/each package

## REFERENCES:

1. Carlier Gwendoline I. M. (1948) Brit. J. Derm. Syph. 60. 61-63.
2. Hodges R. S. (1928) Arch. Derm. Syph., New York, 18. 852.
3. Sabouraud R. (1910) `Les Teignes', Masson, Paris.
4. Georg Lucille K., Ajello L. and Papageorge Calomira (1954) J. Lab. Clin. Med. 44. 422-428.
5. Ajello Libero (1957) J. Chron. Dis. 5. 545-551.
6. Williams Smith H. and Jones J. E. T. (1963) J. Path. Bact. 86. 387-412.
7. Hantschke D. (1968) Mykosen. 11. 113-115

**STERILE A**

Aseptic Sterile

**LOT**

Batch Code

**REF**

Catalogue Number

**CONTROL -**

Negative Controls

**CONTROL +**

Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer