

# SABOURAUD DEXTROSE AGAR W/ %2 TWEEN 80 + %0,1 THYMIDINE

**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. The Tween 80 neutralizes hexachlorophene and mercurial derivatives. Thymidine is a salvage enzyme that is only present in anticipation of cell division.

**COMPOSITION:**

Ingredients	Gr/Liter
Mycological peptone	10 gr
Glucose(dextrose)	40 gr
Agar	15 gr
Tween 80	20 ml
Thymidine	1 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:**

The agar surface should be smooth and moist, but without excessive moisture. Streak the specimen as soon as possible after it is received in the laboratory. Streak the specimen onto the medium with a sterile inoculating loop to obtain isolated colonies.

**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

Apperance: Light amber

**3.Microbiological Control:** Cultural response on Sabouraud Dextrose Agar 25± 2 °C after 48 hours and 5 days incubation.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Candida albicans ATCC 10231	10-100	Good	Good
Aspegillus 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.

RTA.KK.332 Revision Date/Revision Number:-/0 Issue Date: 15.03.2017

## PACKAGING:

**Katalog Number:** 02125

**Packaging:** Single wrap

**Content:** 10 plates/each package

## REFERENCES:

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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