

## TMP 011 – SABOURAUD DEXTROSE AGAR (SDA) PLATE

### INTENDED USE

For cultivation of yeast, moulds and aciduric microorganisms.

### PRODUCT SUMMARY AND EXPLANATION

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
Agar	15.000
Dextrose (Sucrose)	40.000
Mycological, peptone	10.000

### 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

Either streak, inoculate or surface spread the test inoculum aseptically on the plate.

### QUALITY CONTROL SPECIFICATIONS

Appearance	:	Light amber colored medium clear to slightly opalescent gel.
Quantity of medium	:	25ml of medium in 90mm plates.
pH (at 25°C)	:	5.6± 0.2
Sterility Check	:	Passes release criteria

### INTERPRETATION

Cultural response was observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Candida albicans</i>	10231	50-100	Luxuriant (White colonies)	≥70%	20-25°C	3-5 days
<i>Aspergillus brasiliensis</i>	16404	10-100	Luxuriant	≥70%	20-25°C	4-5 days
<i>Candida albicans</i>	2091	50-100	Luxuriant	≥70%	20-25°C	4-5 days
<i>Saccharomyces cerevisiae</i>	9763	50-100	Luxuriant	≥70%	20-25°C	4-5 days
<i>Escherichia coli</i>	25922	50-100	Luxuriant	≥70%	20-25°C	4-5 days
<i>Escherichia coli</i>	8739	50-100	Luxuriant	≥70%	20-25°C	4-5 days
<i>Lactobacillus casei</i>	334	50-100	Luxuriant	≥70%	20-25°C	4-5 days



**PACKAGING:**

Doubled layered packing containing 5 No. of plates with one silica gel desiccant bag packed inside it.

**STORAGE**

On receipt, store the plates at 15–30 °C. Avoid freezing and overheating. Do not open until ready to use. Prepared plates stored in their original sleeve wrapping until just prior to use may be inoculated up to the expiration date and incubated for recommended incubation times. Allow the medium to warm to room temperature before inoculation.













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

**DISPOSAL**

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

**REFERENCES**

1. Bacteriological Analytical Manual, 8th Edition, Revision A, 1998. AOAC, Washington D.C
2. Carlier G. I. M., 1948, Brit. J. Derm. Syph., 60:61.
3. Murray PR, Baron EJ, Tenover JC, Tenover FC (editors) 2003, Manual of clinical Microbiology, 8th ed., ASM, Washington, D.C.
4. Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061

 Quantity	 Lot / Batch Number	 Temperature Unit	 Manufacturer	 Best Before	 Certification of Good Manufacturing Practices
 Catalogue No.	 Authorized Representative	 European Conformity	 QR Code	 Consults Instructions for use :	 For In Vitro Diagnostic Use

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

**\*For Lab Use Only**

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