



Yeast Sucrose Agar

M1797

Yeast Sucrose Agar is recommended for the cultivation and maintenance of various fungi.

Composition**

Ingredients	Gms / Litre
Yeast extract	4.000
Sucrose	20.000
Potassium dihydrogen phosphate	1.000
Magnesium sulphate	0.500
Agar	15.000
Final pH (at 25°C)	6.2±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 40.50 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates or tubes as desired.

Principle And Interpretation

Fungi, including yeasts and filamentous species or moulds are ubiquitously distributed in nature. Yeast sucrose Agar is used for the cultivation and maintenance of fungi. This medium is prepared in accordance to ATCC medium 2125 (1), which has a defined chemical composition.

Sucrose serves as the sole source of carbon while Yeast extract serves as the source of nitrogen and growth factors. Dipotassium phosphate buffers the medium. Magnesium sulphate serves as sources of essential ions.

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Gelling

Firm, comparable with 1.5% Agar gel

Colour and Clarity of prepared medium

Light amber coloured clear to slightly opalescent gel forms in Petri plates

Reaction

Reaction of 4.05% w/v aqueous solution at 25°C. pH : 6.2±0.2

pH

6.00-6.40

Cultural Response

Cultural characteristics observed after an incubation at 20-25°C for 48-72 hours (Incubate for 7 days for Trichophyton species).

Cultural Response

Organism	Inoculum (CFU)	Growth	Recovery
Cultural Response			
* <i>Aspergillus brasiliensis</i> ATCC 16404	50-100	good-luxuriant	
<i>Candida albicans</i> ATCC 10231	50-100	good-luxuriant	≥50%
<i>Saccharomyces cerevisiae</i> ATCC 9763	50-100	good-luxuriant	≥50%
<i>Trichophyton rubrum</i> ATCC 28191	50-100	good-luxuriant	

Storage and Shelf Life

Store below 30°C in a tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

Reference

1. Atlas R. M., 2010, Handbook of Microbiological Media 4th Edition, CRC Press.

Revision : 0 / 2014



Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.