

# SABOURAUD DEXTROSE AGAR WITH GENTAMYCIN+ CYCLOHEXIMIDE

**INTENDED USE:**

Sabouraud Gentamycin and cycloheximide Agar is an highly selective solid medium for isolation of dermatophytes from cutaneous specimens.

**PRINCIPLE AND INTERPRETATION:**

Peptic digest of animal tissue is the source of nitrogenous growth factors while dextrose provides an energy source for the growth of microorganisms. The media can be rendered selective for fungi by antibiotics such as Gentamicin and Cycloheximide, which inhibit some bacteria as well as some saprophytic and pathogenic fungi. This medium inhibits fungi like *Cryptococcus neoformans*, *Aspergillus*, *Nocardia*, certain *Candida* species but allow the dermatophytes to grow well.

**COMPOSITION:**

Ingredients	Gr/Liter
Pancreatic Digest of Casein	5 gr
Peptic Digest of Animal Tissue	5 gr
Dextrose	40 gr
Gentamycin	0,05 gr
Caycloheximide	0,4 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:**

Allow the plates to warm to room temperature and the agar surface to dry before inoculating. Heavily inoculate and streak the specimen as soon as possible after collection. If the specimen to be cultured is on a swab, roll the swab over a small area of the agar surface. Streak for isolation with a sterile loop. Examine colonial morphology.

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

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

**2.Physical/Chemical Control**

pH: 5,6 ± 0,2

Apperance: Amber

**3.Microbiological Control:** Incubation at 25±2 °C during:48 h -5 d

Microorganism	Inoculum (CFU)	Results
		Growth
<i>Candida albicans</i> ATCC 10231	10-100	Good
<i>Escherichia coli</i> ATCC 25922	100-1000	Inhibition
<i>Staphylococcus aureus</i> ATCC 25923	100-1000	Inhibition

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2 - 12°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.344 Revision Date/Revision Number:-/0 Issue Date: 15.03.2017

## PACKAGING:

**Katalog Number:** 02152

**Packaging:** Single wrap

**Content:** 10 plates/each package

## REFERENCES:

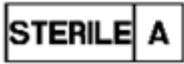
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2. Emmons C., Binford C., Uty J. and Kwon-Chung, 1970, Medical Mycology, 2nd ed., Philadelphia: Lea and Febiger.

3. Diagnostic Procedures, 1963, 4th ed., APHA

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Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer