



Dehydrated Culture Media
Instructions for Use

SABOURAUD DEXTROSE AGAR (M270) Dehydrated Culture Media

USE: Sabouraud Dextrose Agar is used for the cultivation of fungi. This formulation conforms to the US Pharmacopeia (USP).¹

DESCRIPTION: Sabouraud Dextrose Agar is a general-purpose medium devised by Sabouraud for the cultivation of dermatophytes.¹ The low pH of approximately 5.6 is favorable for the growth of fungi, especially dermatophytes, and slightly inhibitory to contaminating bacteria in clinical specimens.²⁻⁴ This medium is recommended in the USP for use in performing total combined mold and yeast counts (Microbial Limit Tests).⁵ The addition of antimicrobics is a modification designed to increase bacterial inhibition.

FORMULA:

Enzymatic Digest of Casein	10.0 g/L
Dextrose	40.0 g/L
Agar	15.0 g/L
Total	65.0 g/L

Note: Medium may be adjusted and/or supplemented as required to meet performance criteria.

Final pH: 5.6 ± 0.2 at 25°C

PHYSICAL APPEARANCE:

Dehydrated Appearance – Fine, homogenous, free of extraneous material, may contain a larger number of minute to small tan specks.

Prepared Appearance – Pale to medium, yellow to tan, clear to slightly hazy.

PROCEDURE: Mix 65 grams of the medium in one liter of purified water. Autoclave at 121°C for 15 minutes.

EXPECTED RESULTS: Cultural response after 3-7 days at 25 ± 2°C.

Microorganism	CFU	Growth
<i>A. brasiliensis</i> ATCC™ 16404	30-300	+
<i>C. albicans</i> ATCC™ 10231	10-100	+

STORAGE: Store the product at 2-30°C protected from moisture for up to the expiration date.

LIMITATIONS: For laboratory use only. The dehydrated medium should be discarded if there are any changes in the color or if it is no longer free flowing.

SIZES AVAILABLE: 500 g, 2 kg, 10 kg

PACKAGING: Additional configurations are available upon request.

REFERENCES:

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