

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B249	MALT EXTRACT AGAR BASE (W/MYCOLOGICAL PEPTONE)					
Formula						
Ingredients :		gms/lit.				
Malt extract		30.00				
Mycological peptone		5.00				
Agar		15.00				
Final pH (at 25°C) : 5.4 ± 0.2						
Directions :						
Suspend 50.0 grams in 1000 ml distilled water and soak for 15 minutes. Sterilize by autoclaving at 115°C(10 lbs pressure) for 10 minutes. Mix well before dispensing. Avoid overheating. If desired, to adjust acidic pH use 10% Lactic Acid (BF079).						
Principle :						
Malt extract provides an acidic environment and nutrients favourable for growth and metabolism of yeasts and molds. Mycological peptone rapidly gives a luxuriant growth with typical morphology and pigmentation. The Acidic pH of Malt Extract Agar allow for the optimal growth of molds and yeasts while restricting bacterial growth.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light to medium yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		5.4 ± 0.2				
Colour (post autoclaving/heating) :		Amber				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48 -72 hours at 25 - 30°C.						
MICROORGANISM (ATCC)		GROWTH				
Aspergillus niger (16404)		Luxuriant				
Candida albicans (10231)		Luxuriant				
Saccharomyces cerevisiae (9763)		Luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		For detection, isolation and enumeration of yeasts and molds.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B249		50g/l	10L	5.4 ± 0.2	10% Lactic Acid (BF079) if required	115°C / 10minutes

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 BIOMARKLABORATORIES publications.

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