

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B249</b>	<b>MALT EXTRACT AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
Malt extract			30.00			
Mycological peptone			5.00			
Agar			15.00			
Final pH (at 25°C) : 5.4 ± 0.2						
<b>Directions :</b>						
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).						
<b>Principle :</b>						
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.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Light to medium yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		5.4 ± 0.2				
Colour (post autoclaving/heating) :		Very light to light brown				
Clarity (post autoclaving/heating) :		Slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
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				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For detection, isolation and enumeration of yeasts and molds.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B249</b>		50g/l	10L	5.4 ± 0.2	10% Lactic Acid (BF079) if required	115°C / 10minutes