

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B248	MALT AGAR				
Formula					
Ingredients : gms/lit.					
Malt extract	30.00				
Agar	15.00				
Final pH (at 25°C) : 5.5 ± 0.2					
Directions :					
Suspend 45 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes. AVOID OVERHEATING as it will result in a softer and darker agar.					
Principle :					
Malt Agar contains Malt Extract which provides the carbon, protein and nutrient sources required for the growth of microorganisms. Agar is a solidifying agent. The acidic pH of Malt Agar allows for optimal growth of molds and yeasts while restricting bacterial growth.					
QC Tests – (I) Dehydrated Medium					
Colour :	Cream to brownish yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	5.5 ± 0.2				
Colour (post autoclaving/heating) :	Light amber				
Clarity (post autoclaving/heating) :	Slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 40- 48 hours at 25-30°C.					
MICROORGANISM (ATCC)	GROWTH				
Aspergillus niger (16404)	Luxuriant				
Candida albicans (10231)	Luxuriant				
Saccharomyces cerevisiae (9763)	Luxuriant				
Penicillium chrysogenum (9179)	Luxuriant				
Trichophyton mentagrophytes (9533)	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. 2. Do not heat the medium after addition of acid, as this will hydrolyze the agar and reduce its solidifying properties.				
Use :	For detection and isolation of yeasts and moulds from dairy products, foods and other materials. Also for carrying stock cultures of yeasts and moulds.				
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
B248	45g/l	11.111L	5.5 ± 0.2	nil	121°C / 15 minutes

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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