

B1562	SABOURAUD DEXTROSE AGAR					
Formula						
Ingredients:		gms/lit.				
Pancreatic digest of casein		5.00				
Peptone		5.00				
Dextrose		40.00				
Agar		15.00				
Final pH (at 25°C) :		5.6 ± 0.2				
Directions:						
Suspend 65.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.						
Principle:						
In medium, Peptone provides nitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pH favours fungal growth and inhibits contaminating bacteria from test samples.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		5.6 ± 0.2				
Colour (post autoclaving/heating) :		Cream to light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed upto 7 days at 25°C.						
MICROORGANISM (ATCC)		GROWTH				
Aspergillus niger (16404)		Luxuriant				
Candida albicans (10231)		Luxuriant				
Trychophyton mentagrophytes (9533)		Luxuriant				
Escherichia coli (25922)		Luxuriant				
Escherichia coli (8739)		Luxuriant				
Escherichia coli (NCTC 9002)		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. Antimicrobial agents incorporated into a medium to inhibit bacteria may also inhibit certain pathogenic fungi. 3. Avoid overheating a medium with an acidic pH because this often causes a soft medium.				
Use :		For Isolation, cultivation and maintenance 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
B1562		65g/l	7.692L	5.6 ± 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 BIOMARK LABORATORIES publications.

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