

TECHNICAL SHEET

B057		SABOURAUD DEXTROSE AGAR			
Formula					
Ingredients :		gms/lit.			
Mycological peptone		10.00			
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 :					
Mycological 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 after 48 –72 hrs.at 30-35°C.			
		MICROORGANISM (ATCC)		GROWTH	
		Aspergillus niger (16404)		Luxuriant	
		Candida albicans (10231)		Luxuriant	
		Candida albicans (2091)		Luxuriant	
		Trychophyton rubrum (28191)		Luxuriant	
		Saccharomyces cerevisiae (9763)		Luxuriant	
		Escherichia coli (25922)		Luxuriant	
		Escherichia coli (8739)		Luxuriant	
		Escherichia coli (NCTC 9002)		Luxuriant	
		Lactobacillus casei (9595)		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 cultivation of yeasts, molds and aciduric microorganisms.			
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
B057		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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