

TECHNICAL SHEET

B1273	SABOURAUD DEXTROSE AGAR		
Formula			
Ingredients :		gms/lit.	
Mixture of peptic digest of animal tissue & pancreatic digest of casein (1:1)	10.000		
Dextrose	40.000		
Agar	15.000		
Final pH (at 25°C) : 5.6 ± 0.2			
Directions :			
Suspend 65 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.			
Principle :			
Peptic digest of animal tissue and pancreatic digest of casein provides nitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens			
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) :	Light amber		
Clarity (post autoclaving/heating) :	Clear to slightly opalescent		
Growth Promotion Test	Growth Promotion was carried out in accordance with the method of USP, after an incubation at 30-35 °C for 24-48 hours. Recovery rate is considered as 100% for bacteria growth on Casein Soyabean Digest Agar and fungus growth on Sabouraud Dextrose Agar.		
Growth Promoting Properties	Growth of microorganism comparable to that previously obtained with previously tested and approved lot of medium occurs at the specified temperature for not more than the shortest period of time specified inoculating ≤ 100 cfu (at 30-35°C for ≤24 hours).		
Indicative properties	Colonies are comparable in appearance and indication reaction to those previously obtained with previously tested and approved lot of medium occurs for the specified temperature for a period of time within the range specified inoculating ≤100cfu (at 30-35°C for 24-48 hours).		
(III) Q.C. Test Microbiological			
Cultural Response:			
MICROORGANISM (ATCC)	GROWTH	Incubation temperature	Incubation period
Growth Promotion + Indicative:			
Candida albicans 10231	Luxuriant (white colonies)	30 -35 °C	24-48 hrs
Growth Promotion + Total yeast and mould count:			
Candida albicans 10231	Luxuriant	20 -25 °C	≤5 d
Aspergillus niger 16404	Luxuriant	20 -25 °C	≤5 d
Additional Microbiological Testing:			
Candida albicans (2091)	Luxuriant	30 -35 °C	24-48 hrs

Refer disclaimer Overleaf

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	Trychophyton rubrum (28191)	Luxuriant	20 -25 °C	<=5 d	
	Saccharomyces cerevisiae (9763)	Luxuriant	30 -35 °C	24-48 hrs	
	Escherichia coli (25922)	Good (inhibited on media with lower pH.)	30 -35 °C	24-48 hrs	
	Escherichia coli (8739)	Good (inhibited on media with lower pH.)	30 -35 °C	24-48 hrs	
	Escherichia coli (NCTC9002)	Good (inhibited on media with lower pH.)	30 -35 °C	24-48 hrs	
	Lactobacillus casei (334)	Luxuriant	30 -35 °C	24-48 hrs	
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. Avoid overheating a medium with an acidic pH because this often causes a soft medium.				
Use :	For cultivation of yeasts, moulds and aciduric microorganisms as per U.S.P.				
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
B1273	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 BIOMARKLABORATORIES publications.

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