

TECHNICAL SHEET

B645	POTATO DEXTROSE ROSE BENGAL AGAR					
Formula						
Ingredients :		gms/lit.				
Potato infusion from		200.00				
Dextrose		20.00				
Rose Bengal		0.0084				
Agar		15.00				
Final pH (at 25°C) : 5.6 ± 0.2						
Directions :						
Suspend 39 gms.in 1000ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes Mix well before dispensing. In specific Work when pH 3.5 is required, acidify the medium with sterile 10% Tartaric acid. The amount of acid required for 100ml sterile, cooled medium is approx. 1ml .DO NOT HEAT the medium after addition of the acid.						
Principle :						
Potato infusion and dextrose promote luxuriant fungal growth. Adjusting the pH of the medium by tartaric acid to inhibits the bacterial growth. Heating the medium after acidification should be avoided as it may hydrolyse the agar which can render the agar unable to solidify. Rose Bengal is the eosin related dye which inhibits the spreading of some rapidly growing fungi and has antibacterial properties as well.						
QC Tests - (I)Dehydrated Medium						
Colour :		Cream to pink				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		5.6 ± 0.2				
Colour (post autoclaving/heating) :		Pink				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 4 – 5 days at 22 - 25°C.						
MICROORGANISM (ATCC)		GROWTH		ASCOSPORE FORMATION		
Aspergillus niger (16404)		Luxuriant		-		
Candida albicans (10231)		Luxuriant		-		
Saccharomyces cerevisiae (9763)		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.				
Use :		For promoting ascospore production from yeast 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
B645		39g/l	12.820L	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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