

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B300	POTATO DEXTROSE AGAR w/AGAR 3%				
Formula					
Ingredients :		gms/lit.			
Potatoes infusion from		200.00			
Dextrose		20.00			
Agar		30.00			
Final pH (at 25°C) :		5.6 ± 0.2			
Directions :					
Suspend 54 gms.in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well before dispensing.					
Principle :					
Potato infusion and dextrose promote luxuriant fungal growth. Adjusting the pH of the medium by tartaric acid 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.					
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			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 4 – 5 days at 22 - 25°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Aspergillusniger (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. 2. Heating Potato Dextrose Agar after acidifying hydrolyzes the agar and may destroy the solidifying properties. 3. Potato Dextrose Agar is not a differential medium. Perform microscopic examination and biochemical tests to identify isolates to genus and species if necessary.				
Use :	Potato Dextrose Agar with 3% Agar is recommended for isolation and cultivation of fungi-yeasts and moulds from dairy and food products.				
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
B300	54g/l	9.259L	5.6 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

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