

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B037	Potato Dextrose Broth					
Formula						
Ingredients : gms/lit.						
Potato infusion from		200.00				
Dextrose		20.00				
Final pH (at 25°C) : 5.1 ± 0.2						
Directions :						
Suspend 24 grams in 1000 ml distilled water. Heat if necessary, 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 100 ml. of sterile, cooled medium is approximately 1 ml. 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 3.5, inhibits the bacterial growth. Heating the medium after acidification should be avoided.						
QC Tests – (I) Dehydrated Medium						
Colour :		Off-white to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		5.1 ± 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 an incubation at 25-30°C for 4-5 days						
MICROORGANISM (ATCC)		GROWTH				
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 isolation and enumeration of yeasts and molds from dairy and other 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
B037	24g/l	20.833L	5.1 ± 0.2	NIL	121°C / 15 minutes	