

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B167	DEXTROSE PEPTONE AGAR				
Formula					
Ingredients :			gms/lit.		
Peptic digest of animal tissue			20.00		
Dextrose			10.00		
Sodium chloride			5.00		
Agar			15.00		
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 50 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Peptic digest of animal tissue supplies amino acids, peptides etc. for the growth of the organisms. Dextrose is the readily available energy source for the most of the organisms. The agar medium is also used as an excellent basal agar for the Glucose Blood Agar preparation. In the special petri plates or in deep tubes, it can support good growth of the anaerobic microorganisms.					
QC Tests - (I)Dehydrated Medium					
Colour :			Light yellow		
Appearance :			Homogeneous Free Flowing powder		
(II)Rehydrated medium					
pH (post autoclaving/heating) :			7.2 ± 0.2		
Colour (post autoclaving/heating) :			Light yellow		
Clarity (post autoclaving/heating) :			Clear to slightly opalescent		
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 -24 hrs.at 35-37°C.					
MICROORGANISM (ATCC)			GROWTH		
Escherichia coli (25922)			Luxuriant		
Pseudomonas aeruginosa (27853)			Luxuriant		
Staphylococcus aureus (25923)			Luxuriant		
Streptococcus pyogenes (19615)			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 general cultivation of organisms.					
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
B167	50g/l	10L	7.2 ± 0.2	NIL	121°C / 15 minutes