

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B168	DEXTROSE PEPTONE BROTH					
Formula						
Ingredients :			gms/lit.			
Peptone			20.00			
Dextrose (Glucose)			10.00			
Sodium chloride			5.00			
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 35 grams in 1000 ml purified / distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C.						
Principle:						
Peptone supplies amino acids, peptides etc. for the growth of the organisms. Dextrose is the readily available energy source for the most of the organisms. Dextrose Peptone Broth can also be used for routine sterility testing.						
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 -48 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 enumeration of thermophilic bacteria from canned foods, for routine sterility testing and for the cultivation of fastidious 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
B168		35g/l	14.28L	7.2 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

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