

TECHNICAL SHEET

B1165	DEV LACTOSE PEPTONE BROTH					
Formula						
Ingredients :		gms/lit.				
Meat peptone		10.00				
Lactose		10.00				
Sodium chloride		5.00				
Bromo cresol purple		0.01				
Final pH (at 25°C): 7.0± 0.2						
Directions :						
Suspend 25.01 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.						
Principle :						
Meat peptone provides carbon and other essential nutrients for growth. Sodium chloride is for the osmotic balance Lactose is the carbohydrate source. Bromocresol purple is a pH indicator which has a yellow colour below pH 5.3 and purple colour above pH 6.7. Due to the fermentation of lactose and the subsequent acid production the colour changes to yellow.						
QC Tests - (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Purple				
Clarity (post autoclaving/heating) :		Clear solution				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Enterobacter aerogenes (13048)		good				
Klebsiella pneumoniae (13883)		good				
Escherichia coli (25922)		good				
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:		It is used for enrichment and titre determination of coliform bacteria.				
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
B1165		25.01g/l	19.99L	7.0 ± 0.2	None	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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