

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B100	TEEPOL BROTH,MODIFIED (TWIN PACK)			
Formula				
Ingredients :		gms/lit.		
Part A				
Peptic Digest of Animal Tissue		40.00		
Yeast Extract		6.00		
Lactose		30.00		
Phenol red		0.2		
Part B				
Teepol		4.00		
Final pH (at 25°C) : 7.4 ± 0.2				
Directions :				
Suspend 76.2 grams of Part A in 1000 ml distilled water containing 4ml of Part B. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure at (121°C) for 15 minutes.				
Principle :				
Peptic digest of animal tissue supports growth whereas Lactose is fermented by lactose-fermenting enteric bacteria.Phenol red is pH indicator. Teepol acts as surfactants.				
QC Tests – (I)Dehydrated Medium				
Colour :		Part A : Light yellow to light pink Part B : Colourless		
Appearance :		Part A : Homogeneous free flowing powder Part B : Viscous solution		
(II)Rehydrated medium				
pH (post autoclaving/heating) :		7.4 ± 0.2		
Colour (post autoclaving/heating) :		Red		
Clarity (post autoclaving/heating) :		Clear to slightly opalescent		
(III)Q.C. Test Microbiological				
Cultural characteristics observed after an incubation for 24-48 hours at following temperatures.				
MICROORGANISM (ATCC)		GROWTH AT 35-37°C	GROWTH AT43-45°C.	
Escherichia coli (25922)		Good-Luxuriant	Good-Luxuriant	
Enterobacter aerogenes(13048)		Good-Luxuriant	Inhibited	
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. This medium is not recommended for indole testing of coliforms and other enterics.		
Use :		For selective isolation and identification of enteric lactose fermenting microorganisms. The composition and performance criteria of this medium are as per the specifications laid down in ISO 9308-1:1990.		
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.		
Packing :		500 gm. bottle of Part A and 100 ml bottle of part B		
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)
		Supplement		Sterilization
B100	Part A 76.2g/l Part B 4.0ml /l	6.56L	7.4 ± 0.2	NIL 121°C /15 min.

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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