

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B086	TEEPOL BROTH (TWIN PACK)					
Formula						
Ingredients :		gms/lit.				
Part A						
Peptic Digest of Animal Tissue		20.00				
Sodium chloride		5.00				
Lactose		10.00				
Phenol red		0.02				
Part B						
Teepol		1.00				
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 35.02 grams of Part A and then add 1 gram of Part B in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes containing inverted Durham's tubes. Sterilize by autoclaving at 15 lbs pressure at (121°C) for 15 minutes. Cool to 45-50°C.						
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) :		7.6 ± 0.2				
Colour (post autoclaving/heating) :		Red				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18- 48 hrs at 35°C.						
MICROORGANISM (ATCC)		GROWTH AT 35-37°C	GROWTH AT 43-45°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.				
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
B086	Part A- 35.02g/l Part b-1g/l		14.28L	7.6 ± 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 BIOMARK LABORATORIES publications.

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