

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B556	TRYPTONE YEAST EXTRACT BROTH (ISP MEDIUM NO. 1)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		10.00			
Yeast extract		1.50			
Dextrose		10.00			
Sodium chloride		5.00			
Bromo cresol purple		0.015			
Agar		15.00			
Final pH (at 25°C) :		7.0 ± 0.2			
Directions :					
Suspend 41.52 gms.in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, vitamin B complex and other growth nutrients. Dextrose is the fermentable carbohydrate and bromo cresol purple acts as the pH indicator, with colour change from purple to yellow. Sodium chloride maintains osmotic equilibrium. Agar is the solidifying agent.					
QC Tests - (I) Dehydrated Medium					
Colour :	Purplish 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 to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 – 24 hrs.at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH				
Bacillus cereus (11778)	Luxuriant				
Enterobacter aerogenes (13048)	Luxuriant				
Klebsiella pneumoniae (23357)	Luxuriant				
Escherichia coli (25922)	Luxuriant				
Salmonella typhi (6539)	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 isolation and enumeration of Enterobacteriaceae and Bacillus cereus.				
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
B556	41.52g/l	12.042L	7.0 ± 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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