

TECHNICAL SHEET

B861	M-TRYPTONE GLUCOSE EXTRACT BROTH					
Formula						
Ingredients :			gms/lit.			
Casein enzymic hydrolysate			10.00			
Meat Extract B#			6.00			
Dextrose			2.00			
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 18 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 :						
Casein enzymic hydrolysate and beef extract provide the essential nutrients like amino acids, minerals and trace growth factors. Dextrose serves as the carbon source. About 2 ml of the broth medium is used to saturate sterile absorbent pads. Filters used for membrane filtration are then aseptically placed on these absorbent pads.						
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) :			Light amber			
Clarity (post autoclaving/heating) :			Clear solution without any precipitate			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs.at 35-37°C.						
MICROORGANISM (ATCC)			GROWTH			
Escherichia coli (25922)			Luxuriant			
Staphylococcus aureus (25923)			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 enumeration of bacteria in milk and other samples of sanitary importance in dairy industries by membrane filter technique.				
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
B861		18g/l	27.77L	7.0 ± 0.2	NIL	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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