

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B790	TRYPTONE GLUCOSE EXTRACT AGAR					
Formula						
Ingredients :			gms/lit.			
Casein enzymic hydrolysate			5.00			
Yeast extract			3.00			
Glucose			1.00			
Agar			15.00			
Final pH (at 25°C) :			7.0 ± 0.2			
Directions :						
Suspend 24 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
Principle :						
Casein enzymic hydrolysate, yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Glucose is the energy source. Agar is the solidifying agent.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow to light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18- 48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus subtilis (6633)		Good-luxuriant				
Enterobacter aerogenes (13048)		Good-luxuriant				
Escherichia coli (25922)		Good-luxuriant				
Lactobacillus casei (9595)		Good-luxuriant				
Pseudomonas aeruginosa (27853)		Good-luxuriant				
Staphylococcus aureus (25923)		Good-luxuriant				
Enterococcus faecalis (29212)		Good-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 water, air, milk and dairy products.				
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
B790		24g/l	20.833L	7.0 ± 0.2	NIL	121°C /15 min.