

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.

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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