B788	**TRYPTONE BILE AGAR**				
Formula					
Ingredients :		**gms/lit.**			
Casein enzymic hydrolysate		20.00			
Bile salts mixture		1.50			
Agar		15.00			
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 36.5 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 :					
This medium is used for direct plating method in place of MPN method for enumeration of E.coli. Casein enzymic hydrolysate and bile salt supply nutrients for their growth. Bile salt also inhibits growth of Enterobacter aerogenes. Agar is the solidifying agent.					
QC Tests – (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 24 hours at 44°C.					
MICROORGANISM (ATCC)		GROWTH			
Escherichia coli (25922)		Good -luxuriant			
Enterobacter aerogenes (13048)		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.				
Use :	For rapid detection and enumeration of Escherichia coli in foods using a modified direct plating method.				
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
B788	36.5g/l	13.698L	7.2 ± 0.2	NIL	121^0C /15 min.

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