

B171	DEXTROSE TRYPTONE BROTH					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		10.00				
Dextrose		5.00				
Bromo cresol purple		0.04				
Final pH (at 25°C) : 6.7 ± 0.2						
Directions :						
Suspend 15.04 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate provides nutrients to the organisms. Dextrose serves as an energy source while bromo cresol purple is a pH indicator. Acid producing organisms produce yellow coloured medium.						
QC Tests - (I) Dehydrated Medium						
Colour :		Light yellow to greenish yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
PH (post autoclaving/heating) :		6.7 ± 0.2				
Colour (post autoclaving/heating) :		Purple				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48 hrs.at 55°C.						
MICROORGANISM (ATCC)		GROWTH		COLOUR OF MEDIUM		
Bacillus coagulans (8038)		Good to luxuriant		Yellow		
Bacillus stearothermophilus (7953)		Good to luxuriant		Yellow		
Bacillus brevis (8246)		Good to luxuriant*		Yellow		
Key: * = with or without dextrose fermentation.						
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 enrichment and cultivation of mesophilic and thermophilic organisms in foods.				
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
B171		15.04 g/l	33.244L	6.7 ± 0.2	NIL	121°C / 15 minutes