

B170	DEXTROSE TRYPTONE AGAR (BROMOCRESOL PURPLE GLUCOSE AGAR)				
Formula	gms/lit.				
Ingredients:					
Tryptone	10.00				
Dextrose	5.00				
Bromo cresol purple	0.04				
Agar	15.00				
Final pH (at 25°C) : 6.7 ± 0.2					
Directions:					
Suspend 30.04 grams in 1000 ml purified / distilled water. Heat to boiling the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle:					
Tryptone provide carbon and nitrogen sources for general growth requirements. Glucose is the carbohydrate source. Bromo Cresol Purple is the pH indicator. Agar is the solidifying agent.					
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):	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 54-56°C for 36-48 hours.					
MICROORGANISM (ATCC)	GROWTH		COLOUR OF MEDIUM		
Bacillus stearothermophilus (10149)	Good to luxuriant		Yellow		
Bacillus coagulans (8038)	Good to luxuriant		Yellow		
Bacillus brevis (8246)	good-luxuriant (with or without dextrose fermentation)		Yellow		
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :	1 The pH of prepared medium needs to be checked after some period. If tested immediately it may go out of specification. 2. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use:	For detection and enumeration of mesophilic and thermophilic aerobic organisms in food.				
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
B170	30.04 g/l	16.65 L	6.7 ± 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 BIOMARK LABORATORIES publications.

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