

TECHNICAL SHEET

B1427	TRYPTONE YEAST EXTRACT AGAR W/ BCP					
Formula						
Ingredients:			gms/lit.			
Casein enzymic hydrolysate			10.00			
Yeast extract			1.50			
Dextrose			10.00			
Sodium chloride			5.00			
Bromocresol purple			0.015			
Agar			15.00			
Final pH (at 25°C) : 7.0 ± 0.1						
Directions :						
Suspend 41.52 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. Dispense in tubes and cool the tubed medium in a slanting position.						
Principle :						
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, vitamin B complex and other growth nutrients. Dextrose is the fermentable carbohydrate and bromocresol purple acts as the pH indicator, with colour change from purple to yellow in acidic conditions. Sodium chloride maintains osmotic equilibrium.						
QC Tests - (I) Dehydrated Medium						
Colour :			Cream to pale green			
Appearance :			Homogeneous Free Flowing powder			
(II) Rehydrated medium						
pH (post autoclaving/heating) :			7.0 ± 0.1			
Colour (post autoclaving/heating) :			Purple			
Clarity (post autoclaving/heating) :			Clear to slightly opalescent gel			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH		COLOUR OF MEDIUM		
Enterobacter aerogenes (13048)		Luxuriant		yellow		
Klebsiella pneumoniae (13883)		Luxuriant		yellow		
Escherichia coli (25922)		Luxuriant		yellow		
Salmonella Typhi (6539)		Luxuriant		yellow		
Salmonella Enteritidis (13076)		Luxuriant		yellow		
Precautions :		1. For Laboratory Use.				
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use:		It is used for isolation and enumeration of Enterobacteriaceae as per International Organization for Standardization, (ISO), 1993, Draft ISO/DIS, 7402				
Storage :		Dehydrated medium- Below 30°C. Prepared mediums- Between 2 - 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1427		41.52 g/l	12.042 L	7.0 ± 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 BIOMARKLABORATORIES publications.

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