

TECHNICAL SHEET

B712	SACCHAROSE BROTH					
Formula						
Ingredients :			gms/lit.			
Casein enzymic hydrolysate			17.00			
Papaic digest of soyabean meal			3.00			
Sodium chloride			5.00			
Dipotassium hydrogen phosphate			2.50			
Saccharose			5.00			
Bromo thymol blue			0.025			
Final pH (at 25°C) : Self						
Directions :						
Suspend 32.5 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 and papaic digest of soyabean meal provide essential nutrients for bacterial metabolism. Saccharose provides the fermentable carbohydrate source for the bacteria. Bromothymol blue is a pH indicator. Sodium chloride maintains osmotic equilibrium.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		Bluish green				
Clarity (post autoclaving/heating) :		clear to slightly opalescent gel				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		GROWTH	ACID	GAS		
Citrobacter freundii (8090)		luxuriant	positive reaction, yellow colour	positive reaction		
Escherichia coli (25922)		luxuriant	negative reaction, no colour change	negative reaction		
Klebsiella pneumoniae (13883)		luxuriant	positive reaction, yellow colour	positive reaction		
Proteus vulgaris (13315)		luxuriant	positive reaction, yellow colour	positive reaction		
Salmonella Typhimurium (14028)		luxuriant	negative reaction, no colour change	negative reaction		
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 :		It is used for identification of saccharose fermenting microorganisms				
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
B712		32.50 g/l	15.38 L	Self	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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