BIOMARK Laboratories-INDIA

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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 dissolv 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.

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