

TECHNICAL SHEET

B968	CARBOHYDRATE CONSUMPTION BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Proteose peptone		10.00				
Sodium chloride		5.00				
Beef extract		1.00				
Bromo cresol purple		0.10				
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 16.1 gms. in 990 ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Aseptically add 10 ml separately sterilized carbohydrate solution to give a final concentration of 0.5%. Mix well and dispense in sterile test tubes.						
Principle :						
Differentiation is based on fermentation of glucose, dulcitol, raffinose, rhamnose and salicin. Peptone and beef extract provide carbon and nitrogen compounds including essential amino acids, vitamins and trace elements for bacterial metabolism. Bromocresol purple is the pH indicator which turns yellow in acidic condition.						
QC Tests - (I) Dehydrated Medium						
Colour :		Beige				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Purple				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 -48 hrs. at 35-37°C.						
MICROORGANISM (ATCC)	GROWTH	WITHOUT CARBOHYDRATE		WITH 1% DEXTROSE		
		ACID	GAS	ACID	GAS	
Listeria monocytogenes (19118)	Luxuriant	-	-	+	-	
Escherichia coli (25922)	Luxuriant	-	-	+	+	
Staphylococcus aureus (25923)	Luxuriant	-	-	+	-	
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 cultivation and differentiation of Listeria species.						
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
B968		16.1g/l	31.055L	6.8 ± 0.2	sterilized carbohydrate solution	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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