

**TECHNICAL SHEET**

<b>B1421</b>	<b>CARBOHYDRATE CONSUMPTION BROTH BASE</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Proteose peptone		10.00			
Sodium chloride		5.00			
Meat extract B#		1.00			
Bromo cresol purple		0.10			
# - Equivalent to Beef extract					
Final pH (at 25°C) : 6.8 ± 0.1					
<b>Directions :</b>					
Suspend 16.1 grams in 990 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense into tubes containing inverted Durhams tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Aseptically add 10 ml separately sterilized carbohydrate solution to give a final concentration of 0.5%. Mix well.					
<b>Principle :</b>					
Proteose peptone and meat extract B in the medium provide carbon and nitrogen compounds including essential amino acids, vitamins and trace ingredients for bacterial metabolism. Bromocresol purple is the pH indicator, which indicates acid production by turning yellow in colour.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :		Light yellow to beige			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		6.8 ± 0.1			
Colour (post autoclaving/heating) :		Purple			
Clarity (post autoclaving/heating) :		Clear			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18-48 hrs. at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	w/o carbohydrate Acid	w/o carbohydrate Gas	w/ rhamnose (acid)	w/ rhamnose (gas)
Escherichia coli (25922)	good-luxuriant	-	-	+, yellow colour	+
Listeria monocytogenes (19111)	good-luxuriant	-	-	+, yellow colour	-
Listeria monocytogenes (19112)	good-luxuriant	-	-	+, yellow colour	-
Listeria monocytogenes (19117)	good-luxuriant	-	-	+, yellow colour	-
Listeria monocytogenes (19118)	good-luxuriant	-	-	+, yellow colour	-
Staphylococcus aureus (25923)		-	-	-	-

Refer disclaimer overleaf

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<b>Precautions :</b>	1. For Laboratory Use.				
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	It is recommended for the cultivation and differentiation of <i>Listeria</i> species on the basis of sugar fermentation by International Organization for Standardization (ISO), 1993, Draft ISO/DIS 10560.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>	500 gm bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1421</b>	16.1 g/l	31.055 L	6.8 ± 0.1	Desired carbohydrate	121°C /15minutes

**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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.