

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B923	ANAEROBIC FERMENTATION MEDIUM BASE					
Formula						
Ingredients:		gms/lit.				
Biopeptone		16.00				
Meat extract B#		4.00				
Sodium chloride		5.00				
Agar		15.00				
# Equivalent to beef extract						
Final pH (at 25°C): 7.2 ± 0.2						
Directions:						
Suspend 40 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. Cool to 50°C and aseptically add 5-7 % sterile defibrinated horse blood. Mix well before pouring.						
Principle:						
Biopeptone and beef extract in the medium provides nitrogen, chloride and other nutrients necessary to support bacterial growth. Sodium is an essential ion and helps in maintaining the osmotic balance of the medium. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour:		Cream to yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Yellow coloured				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18-48 hrs. at 35-37°C, incubated anaerobically.						
MICROORGANISM (ATCC)		GROWTH				
Clostridium perfringens (13124)		luxuriant				
Clostridium sporogenes (11437)		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 :		It is recommended for detection of fermentation reactions of anaerobic 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
B923		40.00 g/l	12.50 L	7.2 ± 0.2	5-7 % sterile defibrinated horse blood	121°C /15 min.

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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