

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B894	LISTERIA ENRICHMENT BROTH (TWIN PACK)				
Formula					
Ingredients :		gms/lit.			
Part A -					
Casein enzymic hydrolysate		10.00			
Peptic digest of animal tissue		10.00			
Dextrose		1.00			
Sodium chloride		5.00			
Thiaminium dichloride		0.005			
Acridflavin hydrochloride (Trypaflavin)		0.01			
Part B -					
Potassium thiocyanate		37.50			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 26 grams of Part A and 37.5 grams of Part B in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein enzymic hydrolysate, peptic digest of animal tissue provides essential nutrients. Thiaminium dichloride is the vitamin B source added to improve the growth of Listeria. Thiocyanate inhibits gram-negative bacteria.					
QC Tests – (I) Dehydrated Medium					
Colour :	Part A: Cream to light yellow Part B: White to cream				
Appearance :	Part A & B: Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.4 ± 0.2				
Colour (post autoclaving/heating) :	Yellow				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed in presence of 10% Carbon dioxide (CO ₂) after an incubation at 35-37°C for 48 hours.					
MICROORGANISM (ATCC)	GROWTH				
Enterococcus faecalis (29212)	none-poor				
Escherichia coli (25922)	Inhibited				
Listeria monocytogenes (19118)	Luxuriant				
Listeria innocua (33090)	Luxuriant				
Listeria ivanovii (19119)	Luxuriant				
Listeria monocytogenes (19112)	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 used for selective enrichment of Listeria species from clinical specimens.				
Storage :	Dehydrated medium- 2 to 8°C Prepared medium- Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B894	63.5 (Part A+B) g/l	7.874 lit	7.4 ± 0.2	Nil	121°C/15 min

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