

B888	LISTERIA SELECTIVE BROTH BASE				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		17.00			
Papaic digest of soyabean meal		3.00			
Yeast extract		6.00			
Sodium chloride		5.00			
Dipotassium hydrogen phosphate		2.50			
Dextrose		2.50			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 36 gms. in 1000 ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to room temperature & aseptically add rehydrated contents of 1vl. of Listeria Selective Supplement II (BF 075) or 2vls. of Listeria Selective Supplement II (BF 027) as desired. Mix well before dispensing.					
Principle :					
Casein enzymic hydrolysate, papaic digest of soyabean meal and yeast extract provide carbon and nitrogen compounds essential for bacterial metabolism. Dextrose is the energy source. The medium is rendered selective by addition of selective supplement. Cycloheximide inhibits the growth of saprophytic fungi. Nalidixic acid inhibits growth of gram - negative organisms and acriflavin suppresses gram - positive microorganisms.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Light yellow to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	PH (post autoclaving/heating) :	7.3 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow			
	Clarity (post autoclaving/heating) :	Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24- 48 hours at 30°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Listeria monocytogenes (19118)	Luxuriant			
	Listeria monocytogenes (19112)	Luxuriant			
	Listeria monocytogenes (19111)	Luxuriant			
	Staphylococcus aureus (25923)	None - poor			
	Escherichia coli (25922)	Inhibited			
	Candida albicans (10231)	Inhibited			
Precautions :	<ol style="list-style-type: none"> For Laboratory Use. Follow proper, established laboratory procedures in handling and disposing of infectious materials. HARMFUL. Possible risk of irreversible effects. Possible risk of harm to the unborn child. Harmful if swallowed. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Cardiovascular, Liver, Lungs, Nerves. 				
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 isolation of Listeria species from pathological specimens.				
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
B888	36 g/l	13.88 lit	7.3 ± 0.2	Listeria Selective Supplement II (BF 075) Listeria Selective Supplement II (BF 027)	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 BIOMARKLABORATORIES publications.

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