

B1380	LISTERIA SELECTIVE AGAR 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		
Agar			15.00		
Final pH (at 25°C) : 7.3± 0.2					
Directions :					
Suspend 51.0 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 room temperature and aseptically add rehydrated contents of 1 vial of Listeria Selective Supplement II, (BF075). 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. Amphotericin B inhibits the growth of saprophytic fungi. Nalidixic acid inhibits growth of gram-negative organisms and acriflavine suppresses gram-positive microorganisms					
QC Tests – (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.3 ± 0.2				
Colour (post autoclaving/heating) :	Fluorescent yellow				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.					
MICROORGANISM (ATCC)	GROWTH				
Listeria monocytogenes (19111)	Luxuriant				
Listeria monocytogenes (19112)	Luxuriant				
Listeria monocytogenes (19118)	Luxuriant				
Escherichia coli (25922)	Inhibited				
Candida albicans (10231)	Inhibited				
Staphylococcus aureus (25923)	None-poor				
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 :	Listeria Selective Agar Base with addition of selective supplement is recommended for selective isolation and cultivation of Listeria monocytogenes from clinical specimen.				
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
B1380	51.0 g/l	9.80 lit	7.3 ± 0.2	Listeria Selective Supplement II, (BF075)	121°C/15 min

Refer disclaimer Overleaf

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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