

B098	LISTERIA IDENTIFICATION BROTH BASE (PALCAM)					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		23.00				
Yeast extract		5.00				
Lithium chloride		10.00				
Esculin		0.80				
Ammonium ferric citrate		0.50				
D-Mannitol		5.00				
Soya lecithin		1.00				
Polysorbate 80		2.00				
Phenol red		0.08				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 23.69 gms in 500ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add sterile reconstituted contents of 1 vial of Listeria Selective Supplement (BF072). Mix well before pouring.						
Principle :						
Peptic digest of animal tissue and yeast extract provide growth nutrients. High amount of lithium chloride and added selective supplement inhibit accompanying microflora and allow the growth of Listeria species. Soya lecithin has similar properties as that of egg yolk hence additional supplementation of egg yolk emulsion is not required. The combination of mannitol and phenol red helps the detection of mannitol fermentation while esculin and ammonium ferric citrate together help in detection of esculin hydrolysis.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow to Pink				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Red				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24- 48 hours at 30°C.						
MICROORGANISM (ATCC)		GROWTH	COLOUR			
Listeria monocytogenes (19118)		Good	Black			
Staphylococcus aureus (25923)		Inhibited	--			
Enterobacter faecalis		Inhibited	--			
Micrococcus luteus (10240)		Inhibited	--			
Precautions :						
1. For Laboratory Use.						
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.						
3. 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 selective isolation and identification of Listeria species.						
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
B098		47.38 g/l	10.55 lit	7.4 ± 0.2	Listeria Selective Supplement (BF072)	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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