

TECHNICAL SHEET

B097	LISTERIA SELECTIVE AGAR (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 Acriflavin hydrochloride-(Trypaflavin) 0.01 Nalidixic acid 0.04 Agar 13.00						
Part B : Potassium thiocyanate 37.50						
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 39 gms.of Part A and 37.5gms of Part B in 1000 ml. distilled water. Heat boiling to dissolve the medium completely. 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 and Nalidixic acid inhibits gram – negative bacteria and suppress Enterococci by combination of selective agents and acridine dyes.						
QC Tests – (I)Dehydrated Medium						
Colour :		Part A : Cream to yellow Part B : White				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Cream to yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalascnt				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48 hours at 35-37°C (if possible in a 10% CO2atmosphere)						
MICROORGANISM (ATCC)		GROWTH				
Listeria monocytogenes (19118)		Luxuriant				
Listeria monocytogenes (19112)		Luxuriant				
Listeria ivanovii(19119)		Luxuriant				
Listeria innocua(33090)		Luxuriant				
Micrococcus luteus (10240)		Inhibited				
Enterococcus faecalis (29212)		None-poor				
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 :		B097: For selective isolation and cultivation of Listeria species from clinical specimens..				
Storage :		Dehydrated medium- at 2to 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
B097		39+37.5 g/l	6.53 lit	7.4 ± 0.2	Nil	121 ⁰ 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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