

TECHNICAL SHEET

B472	PL AGAR				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		5.00			
Yeast extract		2.00			
Sodium chloride		5.00			
Mannitol		7.50			
L-Arabinose		5.00			
Inositol		1.00			
L-Lysine		2.00			
Bile salts		1.00			
Phenol red		0.08			
Agar		15.00			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 43.58 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes. Mix well and pour into sterile Petri plates.					
Principle :					
Peptic digest of animal tissue and yeast extract supply the nitrogenous compounds, vitamin B complex and trace ingredients. L-Lysine is the amino acid source while arabinose, inositol and mannitol are the fermentable carbohydrate sources in the medium. Bile salts inhibit gram-positive bacteria. Phenol red is the pH indicator, which turns yellow at acidic pH.					
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 to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs at 35 - 37°C.					
MICROORGANISM (ATCC)		GROWTH			
Plesiomonas shigelloides (14029)		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 recommended for the isolation and cultivation of Plesiomonas shigelloides from food.				
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
B472	43.58 g/l	11.47 L	7.4 ± 0.2	NIL	115°C / 15 minutes

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 BIOMARK LABORATORIES publications.

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