

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B682	PHENOLPHTHALEIN PHOSPHATE AGAR				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		5.00			
Meat extract B#		3.00			
Sodium chloride		5.00			
Sodium phenolphthalein phosphate		0.012			
Agar		15.00			
#- Equivalent to Beef extract					
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 28 gms.in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Peptic digest of animal tissue and beef extract supply the nitrogenous compounds, growth factors and trace ingredients essential for the growth of Staphylococcus aureus. Sodium phenolphthalein phosphate serves as a substrate for the phosphatase enzyme. Sodium chloride maintains osmotic equilibrium.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	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			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 18 –24 hrs at 35-37°C.				
	MICROORGANISM (ATCC)	GROWTH	PHOSPHATES		
	Staphylococcus aureus (25923)	Luxuriant	+		
	Staphylococcus epidermidis (12228)	Luxuriant	+		
	Escherichia coli (25922)	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 :		For identification of phosphatase positive Staphylococcus aureus.			
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
B682	28g/l	17.857L	7.4 ± 0.2	NIL	121°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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