

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B661		PROPIONIBACTER ISOLATION AGAR				
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		10.00				
Yeast extract		10.00				
Magnesium sulphate		0.05				
Dipotassium phosphate		0.25				
Agar		20.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 40.3 gms.in 1000ml. distilled water. Add 10 gms. of sodium lactate to the medium. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes.						
Principle :						
Casein enzymic hydrolysate, yeast extract provides nitrogenous compounds, sulphur, trace elements and vitamin B complex essential for growth of Propionibacteria Sodium lactate serves as the carbon source.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Dark amber				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after upto 11 - 14 days at 30-32°C, under anaerobic or microaerophilic conditions.						
MICROORGANISM (ATCC)		GROWTH				
Propionibacterium thoenii (4874)		Good – luxuriant				
Propionibacterium shermanii (9641)		Good – luxuriant				
Propionibacterium rubrum		Good – 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 selective isolation of Propionibacteria.						
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
B661		40.3g/l	12.406L	7.0 ± 0.2	NIL	121°C / 15 minutes