

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

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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