

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B405	PSEUDOMONAS SOLANACEARUM MEDIUM					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Glucose		5.00				
Casein enzymic hydrolysate		1.00				
Agar		17.00				
Final pH (at 25°C) : Self						
Directions :						
Suspend 33 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Distribute into tubes or flasks. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates or leave in tubes.						
Principle :						
Peptic digest of animal tissue and casein enzymic hydrolysate in the medium provide carbon and nitrogen sources required for the good growth of the bacterium. Glucose is the energy source						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 25-30°C for 18-48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Pseudomonas solanacearum (11696)		Good- luxuriant				
Pseudomonas aeruginosa (27823)		none-poor				
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 cultivation of Pseudomonas solanacearum .				
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
B405	33.0 g/l	15.151 L	Self	carbohydrate	121 ⁰ 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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