

TECHNICAL SHEET

B561	ISP MEDIUM NO.6 (PEPTONE YEAST EXTRACT IRON AGAR)					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue	15.00					
Proteose peptone	5.00					
Yeast extract	1.00					
Ferric ammonium citrate	0.50					
Dipotassium phosphate	1.00					
Sodium thiosulphate	0.08					
Agar	15.00					
Final pH (at 25°C) : 6.7 ± 0.2						
Directions :						
Suspend 37.58 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
Principle :						
Peptic digest of animal tissue, proteose peptone and yeast extract provide carbon, nitrogen, sulphur, vitamin B complex and other essential growth nutrients. Dipotassium hydrogen phosphate gives the medium good buffering capacity. Ferric ammonium citrate and sodium thiosulphate together serve as hydrogen sulphide indicator system.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.7 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed at 30-32°C for 18-48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Streptomyces albus subsp albus (3006)		Good - luxuriant				
Streptomyces lavendulae (8664)		Good - luxuriant				
Streptomyces achromogenes (12767)		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 :		It is recommended for cultivation and maintenance of Streptomyces species as per International Streptomyces Project.				
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
B561	37.58 g/l	13.31 L	6.7 ± 0.2	Nil	121°C/15 min.	

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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