

TECHNICAL SHEET

B1263	STREPTOMYCES MEDIUM				
Formula					
Ingredients :		gms/lit.			
Glucose		5.00			
L-Glutamic acid		4.00			
Monopotassium phosphate		1.00			
Sodium chloride		1.00			
Magnesium sulphate, 7H ₂ O		0.70			
Ferrous sulphate, 7H ₂ O		0.003			
Agar		25.00			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 36.73 grams of dehydrated medium 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 dispense as desired.					
Principle :					
Glucose is carbon source. L-Glutamic acid is the nitrogen source. The salts provide essential ions for the growth of <i>S. kanamyceticus</i> .					
QC Tests – (I) Dehydrated Medium					
Colour :		Off -white to light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
PH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		clear to slightly opalescent gel			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 25-30°C for upto 7 days.					
MICROORGANISM(ATCC)		GROWTH			
<i>Streptomyces kanamyceticus</i> (12853)		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 the cultivation and maintenance of <i>Streptomyces kanamyceticus</i> .				
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
B1263	36.73 g/l	13.612 L	7.0 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

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