B1082	**KENKNIGHT & MUNAIER'S MEDIUM**

Formula

Ingredients :	**gms/lit.**
Dextrose	1.00
Monopotassium dihydrogen phosphate	0.10
Sodium nitrate	0.10
Potassium chloride	0.10
Magnesium sulphate	0.10
Agar	15.00

Final pH (at 25°C) : Self

Directions :

Suspend 16.4 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.

Principle :

Dextrose serves as carbohydrate source for the growth of Actinomyces. Sodium nitrate serves as the source of nitrogen. Various salts in the medium not only buffer the medium but also provide essential ions required for the growth of Actinomyces.

QC Tests – (I)Dehydrated Medium			
	Colour :	Light yellow to brownish yellow	
	Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium			
	pH (post autoclaving/heating) :	Self	
	Colour (post autoclaving/heating) :	Light amber	
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent gel	
(III)Q.C. Test Microbiological			
	Cultural characteristics observed at 25-30°Cup to7 days.		
	MICROORGANISM (ATCC)	GROWTH	
	Actinomycesisraelii(10049)	luxuriant	
	Streptomyces albussubsp albus (3004)	good	

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 is used for isolating Actinomycesspecies from soil samples
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
B1082	16.4g/l	30.48 L	Self	Nil	121^{0}C/15 min.