

TECHNICAL SHEET

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 at 15 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°C up to 7 days.						
MICROORGANISM (ATCC)		GROWTH				
Actinomyces israelii (10049)		luxuriant				
Streptomyces albus subsp 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 used for isolating Actinomyces species 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°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 BIOMARK LABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.