

TECHNICAL SHEET

BS026	ANTIBIOTIC ASSAY MEDIUM NO.39					
Formula						
Ingredients:		gms/lit.				
Peptic digest of animal tissue		5.00				
Yeast Extract		1.50				
Meat extract B		1.50				
Dextrose		1.00				
Sodium chloride		3.50				
Dipotassium phosphate		3.68				
Potassium dihydrogen phosphate		1.32				
#equivalent to Beef extract						
Final pH (at 25°C):		7.9 ± 0.2				
Directions :						
Suspend 17.5 gms in 1000ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Nutrients and growth factors are supplied by the ingredients like Peptic digest of animal tissues, Yeast Extract and Beef extract. Sodium chloride maintains the osmotic equilibrium. Dextrose as a sugar is also supplemented as a carbon and energy source.						
QC Tests - (I)Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating):		7.9 ± 0.2				
Colour (post autoclaving/heating) :		Light amber to light yellow				
Clarity (post autoclaving/heating) :		Clear				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18-24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH		SERIAL DILUTION TEST WITH		
Klebsiella pneumoniae (10031)		Luxuriant		Neomycin		
Staphylococcus aureus (9144)		Luxuriant		Tylosin		
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 the microbiological assay of Neomycin using Klebsiella pneumoniae and Tylosin using Staphylococcus aureus as the test organism as per USP/IP.				
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
BS026		17.5 g/l	28.57 L	7.9 ± 0.2	Nil	121°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.

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.