

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

BS004	ANTIBIOTIC ASSAY MEDIUM NO.4 (YEAST MEAT AGAR)					
Formula						
Ingredients:		gms/lit.				
Peptic digest of animal tissue		6.00				
Yeast extract		3.00				
Meat extractB#		1.50				
Dextrose		1.00				
Agar		15.00				
#Equivalent to Beef Extract						
Final pH (at 25°C) :		6.6 ± 0.2				
Directions :						
Suspend 26.5gms 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, Meat extract B etc. Dextrose as a sugar is also supplemented as a carbon and energy source. Agar is the solidifying agent						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating):		6.6 ± 0.2				
Colour (post autoclaving/heating) :		Cream to yellow				
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18-24 hrs. at 35-55°C.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus stearothermophilus (7953)		Good - Luxuriant				
Micrococcus luteus (10240)		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 used for detection of Penicillin-G in milk samples 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
BS004		26.5 g/l	18.86 L	6.6 ± 0.2	Nil	121 ⁰ 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.