

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

BS014		ANTIBIOTIC ASSAY MEDIUM NO.20(YEAST MEAT BROTH)				
Formula						
Ingredients:		gms/lit.				
Casein enzymic hydrolysate		10.00				
Peptic digest of animal tissue (Peptone)		5.00				
Yeast extract		6.50				
Meat extract B#		1.50				
Dextrose		11.00				
Sodium chloride		3.50				
Dipotassium phosphate		3.68				
Monopotassium phosphate		1.32				
# Equivalent to Beef Extract						
Final pH (at 25°C) :		6.6± 0.2				
Directions :						
Suspend 42.5 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool and dispense as desired.						
Principle :						
Peptic digest of animal tissue, yeast extract, Meat extract B and casein enzymic hydrolysate provides excellent medium for growth of Candida tropicalis. Dextrose provides carbon and energy for growth of the organism. Osmotic equilibrium to maintain cell integrity and viability is provided by sodium chloride, while phosphate functions to provide proper buffering action.						
QC Tests - (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating):		6.6 ± 0.2				
Colour (post autoclaving/heating) :		Medium amber				
Clarity (post autoclaving/heating) :		Clear solution				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18-48 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH	SERIAL DILUTION WITH			
Candida tropicalis (13803)		Luxuriant	Amphotericin B			
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 Amphotericin B using Candida tropicalis				
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
BS014		42.5 g/l	11.76 L	6.6 ±0.2	Nil	121 ⁰ C / 15 minutes

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