

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

BH1256	SABOURAUD DEXTROSE BROTH				
Formula					
Ingredients:	gms/lit.				
Peptones(meat and casein)	10.00				
Dextrose monohydrate	20.00				
Final pH (at 25°C) :	5.6 ± 0.2				
Directions :	Suspend 28.18 gram (equivalent weight of dehydrated medium per litre) in 1000 ml purified/distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes i.e. validated cycle. DO NOT OVERHEAT.				
Principle :	Sabouraud Dextrose Agar is Carliers modifications of the formulation described by Sabouraud for the cultivation of fungi, particularly those associated with skin infections. The medium is also recommended by APHA. Sabouraud dextrose media are peptone media supplemented with dextrose to support the growth of fungi. Peptone special provides nitrogen, vitamins, minerals, amino acids and growth factors. Dextrose provides an energy source for the growth of microorganisms. The low pH favours fungal growth and inhibits contaminating bacteria from clinical specimens				
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	5.6 ± 0.2			
	Colour (post autoclaving/heating) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after incubation at 20-25 °C for 3-5 days.				
	MICROORGANISM (ATCC)	Inoculum(CFU)	GROWTH		
	Aspergillus brasiliensis (16404)	50-100	Luxuriant		
	Candida albicans (10231)	50-100	Luxuriant		
	Escherichia coli (25922)	50-100	Luxuriant		
	Lactobacillus casei (9595)	50-100	Luxuriant		
	Saccharomyces cerevisiae (9763)	50-100	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 :	Sabouraud Dextrose Broth is for cultivation of yeasts , moulds and aciduric microorganisms in accordance with Indian pharmacopoeia 2014				
Storage :	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.				
Packing :	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
BH1256	28.18 g/l	17.743 L	5.6 ± 0.2	Nil	121 ⁰ 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 BIOMARKLABORATORIES publications.

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