

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B565	INOSITOL BRILLIANT GREEN BILE AGAR (PLESIOMONAS DIFFERENTIAL AGAR)					
Formula						
Ingredients :		gms/lit.				
Proteose peptone		10.00				
Meat extract		5.00				
Meso-Inositol		10.00				
Bile salts mixture		8.50				
Sodium chloride		5.00				
Brilliant green		0.00033				
Neutral red		0.025				
Agar		13.50				
Final pH (at 25°C) :		7.2 ± 0.2				
Directions :						
Suspend 52.03 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 :						
Proteose peptone and meat extract supply nitrogenous nutrients required for the growth of organisms. Bile salts and brilliant green inhibit all gram-positive bacteria and most of the gram-negative bacilli, other than coliforms respectively. Meso-inositol is a fermentable carbohydrate source in the medium while neutral red is the pH indicator.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow to pinkish beige				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Reddish orange				
Clarity (post autoclaving/heating) :		clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH		COLOUR OF COLONY		
Aeromonas hydrophila (7966)		Luxuriant		Colourless		
Klebsiella pneumoniae (13883)		Good		Pink		
Plesiomonas shigelloides (14029)		Luxuriant		Pink		
Staphylococcus aureus (25923)		Inhibited		-		
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 recommended for selective isolation of Plesiomonas shigelloides and Aeromonas species from faeces and foodstuffs.				
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
B565	52.03g/l		9.99 L	7.2 ± 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 BIOMARK LABORATORIES publications.

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