

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B943	BILE SALTS BRILLIANT GREEN STARCH AGAR				
Formula					
Ingredients :		gms/lit.			
Proteose peptone		10.00			
Meat extract B#		5.00			
Bile salts		5.00			
Starch, soluble		10.00			
Brilliant green		0.0005			
Agar		15.00			
# Equivalent to Beef extract					
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 45 grams in 1000 ml distilled water. Heat to boiling with occasional agitation to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Proteose peptone and beef extract supply essential growth nutrients. Bile salts and brilliant green act as inhibitory substances for gram - positive and certain gram - negative microorganisms and starch hydrolysis as the differential aid.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Greenish cream to greenish yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.2 ± 0.2			
	Colour (post autoclaving/heating) :	Green			
	Clarity (post autoclaving/heating) :	Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hrs at 30°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Aeromonas hydrophila (7966)	Luxuriant			
	Escherichia coli (25922)	Inhibited			
	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 :					
For the selective isolation and identification of Aeromonas hydrophila from food and environmental specimens.					
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
B943	45g/l	11.111L	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 BIOMARKLABORATORIES publications.

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