

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B341	SALT BROTH, MODIFIED					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Heart infusion		10.00				
Glucose		1.00				
Sodium chloride		65.00				
Bromocresol purple		0.016				
Final pH (at 25°C) : 7.2± 0.2						
Directions :						
Suspend 86.01 gms.in 1000 ml. distilled water. Heat if necessary, to dissolve the medium completely. Dispense as desired Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Heart infusion and peptic digest of animal tissue provide essential nitrogenous nutrients while glucose is the carbohydrate source in the medium. Bromocresol purple is the pH indicator which turns yellow from purple at acidic pH. Sodium chloride serves as differential and selective agent. Growth is indicated by turbidity and sometimes changes in colour of the indicator. A change in colour from purple to yellow also may occur due to utilization of glucose and thereby acid production. Serological group D streptococci or bile esculin positive isolate may be easily identified as an Enterococcus species.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to greenish yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Purple				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 - 48 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Staphylococcus bovis (9809)		inhibited				
Enterococcus faecalis (29212)		good				
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 cultivation and differentiation of the enterococcal group D streptococci from non-enterococcal group D streptococci based on salt tolerance.				
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
B341	86.01 g/l	5.81 L	7.2 ± 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.

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