

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B934	AYERS AND JOHNSON AGAR (STOCK CULTURE AGAR)					
Formula						
Ingredients :		gms/lit.				
Meat heart,infusion from #		500.00				
Proteose peptone		10.00				
Gelatin		10.00				
Dextrose		0.50				
Casein, purified		5.00				
Disodium phosphate		4.00				
Sodium citrate		3.00				
Agar		7.50				
# Equivalent to Beef heart,infusion from #						
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 50 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Stock Culture Agar is a semisolid medium described by Ayers and Johnson. This medium gives luxuriant growth and long life of Streptococci probably because it has a semisolid consistency. Casein, beef heart infusion and proteose peptone provide essential growth nutrients. It is well buffered, and contains small quantity of dextrose which serves as a source of energy. Pathogenic Streptococci remain viable for a least 4 months at room temperature in this medium. Organisms other than Streptococci such as Pneumococci, human tubercle bacilli and others grow well in stock culture agar.						
QC Tests - (I)Dehydrated Medium						
Colour :		Beige to yellow				
Appearance :		Homogeneous, coarse, free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Opalescent gel forms in tubes.				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18-48 hrs. at 35- 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Neisseria meningitidis (13090)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Streptococcus pneumoniae (6303)		Luxuriant				
Streptococcus pyogenes (19615)		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 :		For maintenance of culture of Streptococci and other microorganisms.				
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
B934	50.0 g/l	10.0 L	7.5 ± 0.2	Nil	121°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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.