

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B1178	ANAEROBIC BLOOD AGAR BASE				
Formula					
Ingredients:			Gms/lit.		
Papaic digest of soyabean meal			5.00		
Casein enzymic hydrolysate			14.50		
Growth factors			1.50		
Sodium chloride			5.00		
Agar			14.00		
Final pH (at 25°C): 7.3 ± 0.2					
Directions :					
Suspend 40 gms. in 990 ml. distilled water. Boil gently to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add rehydrated contents of one vial of Neomycin supplement (BF106) and 5% v/v defibrinated sheep blood. Mix thoroughly before pouring into sterile plates.					
Principle :					
Tryptone and soya peptone in the medium provide carbon and nitrogenous compounds, long chain amino acids, vitamins and other essential growth nutrients. Growth factors and defibrinated sheep blood together supply enrichment for growth of fastidious organisms. Sodium chloride helps in maintaining the osmotic equilibrium. Addition of Selective Supplement (BF106) helps to suppress the normal flora thereby enhancing recovery of Group A and Group B Streptococci.					
QC Tests – (I)Dehydrated Medium					
Colour :			Cream to yellow		
Appearance :			Homogeneous Free Flowing powder		
(II)Rehydrated medium					
pH (post autoclaving/heating) :			7.3 ± 0.2		
Colour (post autoclaving/heating) :			a) Basal medium : Cream to yellow b) After addition of blood : Dark red		
Clarity (post autoclaving/heating) :			a) Clear to very slightly opalescent b) Opaque		
(III)Q.C. Test Microbiological					
Cultural characteristics observed in presence of 5-10% CO ₂ with added 5%v/v sterile defibrinated sheep blood and Neomycin Supplement (BF106), after an incubation at 35-37°C for 24-48 hours.					
MICROORGANISM (ATCC)		GROWTH		HAEMOLYSIS	
Streptococcus agalactie (12386)		Good - luxuriant		beta	
Streptococcus pyogenes (19615)		Good - luxuriant		beta	
Escherichia coli (25922)		none-poor		none	
Staphylococcus aureus (25923)		none-poor		none	
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 isolation of Group A and Group B Streptococci from throat cultures and other clinical samples.					
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
B1178	40.00 g/l	12.5 L	7.3 ± 0.2	Neomycin sulphate (BF106) Defibrinated blood	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