

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1054	HAEMOPHILUS TEST AGAR BASE					
Formula						
Ingredients :		gms/lit.				
Beef infusion from		300.00				
Casein enzymic hydrolysate		17.50				
Yeast extract		5.00				
Starch		1.50				
Agar		17.00				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 21.5 grams in 500 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add the rehydrated contents of 1 vial of Haemophilus Growth Supplement (BF064). Mix well and pour into sterile Petri plates.						
Principle :						
Haemophilus influenzae requires complex growth media. Haemophilus Test Agar Base contains beef infusion and casein acid hydrolysate, which provide essential nutrients to the organisms. Yeast extract serves as a source of B complex vitamins. Starch acts as a protective colloid against toxic substances present in the medium.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Cream to Light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed with added Haemophilus Growth Supplement (BF064) in 5-7% carbon dioxide after an incubation at 35-37°C for 18-24 hours						
MICROORGANISM (ATCC)		GROWTH				
Haemophilus influenzae (49766)		Luxuriant				
Streptococcus pyogenes (19615)		Good – luxuriant				
Neisseria meningitidis (13090)		Good – luxuriant				
Staphylococcus aureus (25923)		Good – luxuriant				
Enterococcus faecalis (29212)		Good – 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 the susceptibility testing of Haemophilus influenzae.				
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
B1054		43.0 g/l	11.62 L	7.4 ± 0.2	Haemophilus growth supplement (BF064)	121°C/15min.