

TECHNICAL SHEET

B980	CHOCOLATE AGAR BASE				
Formula					
Ingredients :					
	gms/lit.				
Proteose peptone	20.00				
Dextrose	0.50				
Dipotassium phosphate	5.00				
Sodium chloride	5.00				
Agar	15.00				
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 45.5 grams in 495 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Aseptically add equal amount of sterile 2% Hemoglobin solution. Also add contents of one vial of Yeast autolysate supplement (BF038) or Vitamino growth supplement (BF037) reconstituted as directed. Mix well before pouring. When single strength is desired suspend 45.5 gms.in 1000 ml distilled water.					
Principle :					
Neisseria gonorrhoea is Gram negative organism causing gonorrhoea and occasionally found in throat. The cultivation medium for gonococci should be nutritionally rich preferably with blood (partially/completely lysed). Chocolate agar base with supplements gives excellent growth of gonococci and without overgrowing contaminants. GC agar base is also a medium of choice to get slightly better results for gonococcal cultures. Proteose peptone, dextrose provides nutritional requirements whereas dipotassium phosphate and sodium chloride offering pH and osmolarity balance and agar as solidifying agent.					
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):	Basal medium: Light amber coloured clear to slightly opalescent gel. After addition of haemoglobin: Chocolate brown coloured opaque gel forms in Petri plates.				
Clarity (post autoclaving/heating):	Basal medium: clear to slightly opalescent gel. After addition of haemoglobin: opaque gel forms in Petri plates.				
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added 2% haemoglobin solution, Yeast autolysate Supplement (BF038) or Vitamino Growth Supplement (BF037), after an incubation at 35-37°C for 40-48 hours.					
MICROORGANISM (ATCC)	GROWTH				
Neisseria gonorrhoea (19424)	Luxuriant				
Neisseria meningitidis (13090)	Luxuriant				
Streptococcus pneumoniae (6303)	Luxuriant				
Streptococcus pneumoniae (19615)	Luxuriant				
Haemophilus influenzae (19418)	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 isolation of Neisseria gonorrhoea from acute and chronic cases of gonococcal infections.				
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
B980	45.5g/l	10.98L	7.3 ± 0.2	Sterile 2% Hemoglobin solution, Yeast autolysate supplement(BF038) or Vitamino growth supplement (BF037)	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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