

TECHNICAL SHEET

B922	ANAEROBIC CNA AGAR BASE				
Formula					
Ingredients:		gms/lit.			
Casein enzymic hydrolysate		12.00			
Peptic digest of animal tissue		5.00			
Yeast extract		3.00			
Beef extract		3.00			
Corn starch		1.00			
Dextrose		1.00			
Sodium chloride		5.00			
Dithiothreitol (DTE)		0.10			
L-Cysteine hydrochloride		0.50			
Vitamin K1		0.01			
Hemin		0.01			
Colistin		0.01			
Nalidixic acid		0.01			
Agar		13.50			
Final pH (at 25°C) : Self					
Directions :					
Suspend 44.14 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in 100 ml. amounts and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to around 50°C and aseptically add sterile 5 ml blood to every 100 ml medium. Mix well and pour into sterile petri plates.					
Principle :					
Peptic digest of animal tissue, casein enzymic hydrolysate, beef extract provide essential nutrients and yeast extract provides vitamins and dextrose, corn starch act as energy sources. Addition of Colistin and Nalidixic acid inhibits gram – negative enteric bacteria by disrupting cell membrane and blocking DNA replication respectively. While dithiothreitol and L-cysteine hydrochloride help to maintain anaerobic conditions. Hemin and vitamin K1 stimulate growth of anaerobic bacteria.					
QC Tests – (I) Dehydrated Medium					
Colour :					Cream to yellow
Appearance :					Homogeneous Free Flowing powder
(II) Rehydrated medium					
pH (post autoclaving/heating) :					Self
Colour (post autoclaving/heating) :					Cream to yellow
Clarity (post autoclaving/heating) :					Clear to slightly opalescent
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 2 –7 days at 35-37°C when incubated anaerobically.					
MICROORGANISM (ATCC)			GROWTH		
Peptostreptococcus anaerobius (27337)			Good		
Escherichia coli (25922)			None – poor		
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 selective isolation of anaerobic Streptococci.				
Storage :	Dehydrated medium and prepared medium between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B922	44.14 g/l	11.32 L	self	Sterile 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.

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