

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			
Meat extract B#		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			
#- Equivalent to Beef extract					
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, meat extract B 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):	Basal medium: Yellow coloured, After addition of 5%v/v sterile defibrinated sheep blood: Cherry red coloured			
	Clarity (post autoclaving/heating):	Basal medium: clear to slightly opalescent gel. After addition of 5%v/v sterile defibrinated sheep blood: opaque gel forms in Petri plates			
(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 :					
	100 gm. bottle				
Product profile:					
	Reconstitution	Quantity on Preparation (100g)	pH (25°C)	Supplement	Sterilization
B922	44.14 g/l	2.26 L	self	Sterile blood	121°C /15 min.

Refer disclaimer Overleaf

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Disclaimer:

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