

TECHNICAL SHEET

B990	CLAUSEN MEDIUM	
Formula		
Ingredients :	gms/lit.	
Casein enzymichydrolysate	15.00	
Papaic digest of soyabean meal	3.00	
Yeast extract	6.00	
Dextrose	6.00	
Sodium chloride	2.50	
Dipotassium phosphate	2.00	
Sodium citrate	1.00	
L-cystine	0.50	
L-Asparagine	1.25	
Sodium dithionite	0.40	
Sodium thioglycollate	0.50	
Lecithin	0.30	
Magnesium sulphate	0.40	
Calcium chloride	0.004	
Cobalt sulphate	0.001	
Cupric sulphate	0.001	
Ferrous sulphate	0.001	
Zinc sulphate	0.001	
Manganese chloride	0.002	
Resazurin	0.001	
Agar	0.75	
Final pH (at 25°C) : 7.1 ± 0.2		
Directions :		
Suspend 40 gms. in 1000 ml. distilled water containing 3 gms. polysorbate – 80 and 5 gms. Glycerol. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Place in cool dark place till use. DO NOT RESTERILIZE the medium.		
Principle :		
The medium is a very nutritious medium consisting of casein enzymichydrolysate, papaic digest of soyabean meal, yeast extract and dextrose. L-cystine and thioglycollate act as reducing agents, and the essential metals help for isolating anaerobic sporeformers. Polysorbate 80 and lecithin are added in this medium to overcome the effects of cationic agents which can exert bacteriostatic effect in vitro. This medium is clear in appearance and yellow coloured. Under aerobic condition it turns pink. Therefore at the time of use the upper third of the medium should be pink.		
QC Tests - (I) Dehydrated Medium		
Colour :	Yellow	
Appearance :	Homogeneous Free Flowing powder	
(II) Rehydrated medium		
pH (post autoclaving/heating) :	7.1 ± 0.2	
Colour (post autoclaving/heating) :	Light straw	
Clarity (post autoclaving/heating) :	Clear to slightly opalescent	
(III) Q.C. Test Microbiological		
Cultural characteristics observed after 18 –48 hrs. at 35-37°C.		
MICROORGANISM (ATCC)	GROWTH	
Bacillus subtilis (6633)	Luxuriant	
Candida albicans (10231)	Luxuriant	
Clostridium sporogenes (11437)	Luxuriant	
Pseudomonas aeruginosa (27853)	Luxuriant	
Staphylococcus aureus (25923)	Luxuriant	
Staphylococcus epidermidis (12228)	Luxuriant	
Streptococcus pyogenes (19615)	Luxuriant	

Refer disclaimer Overleaf

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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 sterility testing as per Nordic Pharmacopoeia.				
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
B990	40g/l	12.5L	7.1 ± 0.2	polysorbate – 80 and glycerol.	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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