

TECHNICAL SHEET

B1182 CAMPYLOBACTER ENRICHMENT AGAR BASE (PRESTON ENRICHMENT AGAR BASE)	
Formula	
Ingredients :	gms/lit.
Peptic digest of animal tissue	10.00
Beef extract	10.00
Sodium chloride	5.00
Agar	12.00
Final pH (at 25°C) : 7.5 ± 0.2	
Directions :	
Suspend 18.5 grams in 470 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 45-50°C and aseptically add 25 ml sterile, lysed horse blood and reconstituted contents of 1 vial of Campylobacter Selective Supplement IV (Preston Selective Supplement) (BF033). Mix well and pour into sterile Petri plates.	
Principle :	
Peptic digest of animal tissue and beef extract in the medium provide nitrogen, vitamins and minerals necessary to support bacterial growth. Sodium chloride provides essential ions. Preston Selective Supplement (BF033) contains antibacterial and antifungal agents.	
QC Tests - (I) Dehydrated Medium	
Colour :	Cream to yellow
Appearance :	Homogeneous Free Flowing powder
(II) Rehydrated medium	
pH (post autoclaving/heating) :	7.5 ± 0.2
Colour (post autoclaving/heating) :	A) Basal medium : Cream to yellow B) (After addition of 5-7% v/v lysed blood forms): Reddish brown
Clarity (post autoclaving/heating) :	A) Clear B) Opalescent
(III) Q.C. Test Microbiological	
Cultural characteristics observed with added 25ml sterile lysed horse blood and Campylobacter Supplement IV (Preston Selective Supplement) (BF033), after an incubation at 42°C for 48 hours (5% O ₂ + 10% CO ₂ + 85% N ₂).	
MICROORGANISM (ATCC)	GROWTH
Campylobacter coli (33559)	Good-luxuriant
Campylobacter jejuni (29428)	Good-luxuriant
Campylobacter lari (35221)	Good-luxuriant
Escherichia coli (25922)	Inhibited
Proteus mirabilis (25933)	Inhibited
Staphylococcus aureus (25923)	Inhibited
Bacillus cereus (10876)	Inhibited
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

TECHNICAL SHEET

Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
	2. Biochemical testing using a pure culture is necessary for complete identification. Consult appropriate references for further information.				
Use :	For selective isolation of thermotolerant Campylobacter species from faecal specimens, food and environmental specimens.				
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
B1182	37g/l	13.51L	7.5 ± 0.2	25 ml. sterile lysed horse blood & contents of one vial of Campylobacter Supplement IV, (Preston). (BF033)	121°C / 15 minutes