

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1458	CAMPYLOBACTER BLOOD FREE AGAR (KARMALI)	
Formula		
Ingredients:	gms/lit.	
Peptocomplex	10.00	
Tryptose	10.00	
Peptone	3.00	
Maize starch	1.00	
Sodium chloride	5.00	
Charcoal	4.00	
Hematine	0.032	
Sodium pyruvate	0.100	
Cycloheximide	0.100	
Agar	14.00	
Final pH (at 25°C): 7.4 ± 0.1		
Directions:		
Suspend 24.1 gms. in 500 ml. distilled water. Heat to boiling with agitation to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add reconstituted contents of one vial of Karmali Supplement (BF162). Mix well and dispense as desired.		
Principle:		
Peptocomplex, Tryptose, and Peptone, provide growth nutrients. The antibiotic supplement makes the medium selective for the isolation of Campylobacter species. The sample is added in the sterile enrichment broth and may be blended at low speed or stomached and is incubated at 42°C for 48 hours in microaerobic condition. Enrichment culture is further streaked on selective agar for isolation and enumeration. The 5% O ₂ , 10% CO ₂ and 85% N ₂ is the gas combination used. Colonies tend to swarm when initially isolated from clinical specimens.		
QC Tests – (I) Dehydrated Medium		
Colour:	Cream to light yellow	
Appearance:	Homogeneous Free Flowing powder	
(II) Rehydrated medium		
pH (post autoclaving/heating):	7.4 ± 0.1	
Colour (post autoclaving/heating):	light amber	
Clarity (post autoclaving/heating):	Clear	
(III) Q.C. Test Microbiological		
Cultural characteristics observed after 48 hrs at 42°C (5%O ₂ + 10% CO ₂ + 85%N ₂)		
MICROORGANISM (ATCC)	GROWTH*	
Campylobacter jejuni (33291)	Good-luxuriant	
Campylobacter coli (33559)	Good-luxuriant	
Campylobacter lari (35221)	Good-luxuriant	
Escherichia coli (25922)	Inhibited	
Proteus mirabilis (25933)	Inhibited	
Staphylococcus aureus (25923)	Inhibited	
Bacillus cereus (10876)	Inhibited	
* Key: * = with the addition of supplement		
Precautions :		
1. For Laboratory Use.		
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.		

Refer disclaimer Overleaf

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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 selective enrichment and cultivation of Campylobacter species. Recommended by ISO10272:2002				
Storage:	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.				
Packing:	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1458	48.2 g/l	10.373L	7.4 ± 0.1	Karmali Supplement (BF162)	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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