

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1457	CAMPYLOBACTER BLOOD FREE MEDIUM BASE BOLTEN-(mCCDA)	
Formula		
Ingredients:		gms/lit.
Meat Extract#	10.00	
Peptone	10.00	
Tryptone		3.00
Sodium chloride		5.00
Charcoal	4.00	
Sodium Deoxycholate	1.00	
Ferrous sulphate	0.25	
Sodium pyruvate	0.25	
Agar	15.00	
#- Equivalent to Beef extract		
Final pH (at 25°C): 7.4± 0.1		
Directions:		
Suspend 24.25gms. 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 CCDA Supplement (BF107). Mix well and dispense as desired.		
Principle:		
Peptone, Tryptone and Meat extract 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:	Gray to black	
Appearance:	Homogeneous Free Flowing powder	
(II) Rehydrated medium		
pH (post autoclaving/heating):	7.4 ± 0.1	
Colour (post autoclaving/heating):	Black	
Clarity (post autoclaving/heating):	Opaque gel in petri plates	
(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 merabilis(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.		
Limitations :		
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.		

Refer disclaimer Overleaf

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Use:	For selective enrichment and cultivation of Campylobacter species in foodstuffs & other samples. 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
B1457	48.5g/l	10.33L	7.4 ± 0.1	CCDA Supplement (BF107)	121 ⁰ 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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