

**TECHNICAL SHEET**

<b>B1148</b>	<b>BLOOD FREE CAMPYLOBACTER BROTH BASE</b>					
<b>Formula</b>						
<b>Ingredients:</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		10.00				
Beef extract		10.00				
Casein enzymic hydrolysate		3.00				
Sodium chloride		5.00				
Sodium deoxycholate		1.00				
Ferrous sulphate		0.25				
Sodium pyruvate		0.25				
Charcoal, bacteriological		4.00				
Final pH (at 25°C): 7.4± 0.2						
<b>Directions:</b>						
Suspend 16.75 grams in 500 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add rehydrated contents of 1 vial of CCDA Selective Supplement (BF107). Mix well and dispense into sterile tubes.						
<b>Principle:</b>						
Peptic digest of animal tissue, casein enzymic hydrolysate and beef extract serve as sources of essential nutrients and amino acids. Casein is added to help grow certain strains of nalidixic acid resistant thermophilic Campylobacter from environmental samples. Amphotericin B suppresses the growth of yeast and mold contaminants. Charcoal, sodium pyruvate and ferrous sulphate reduces the aerotolerance of medium by quenching photochemically generated toxic oxygen derivatives						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour:		Grey to black				
Appearance:		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating):		Black				
Clarity (post autoclaving/heating):		Opaque solution in tubes				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed with added 1 vial of CCDA Selective Supplement (BF 107) after 72 hours at 30°C.						
MICROORGANISM (ATCC)		GROWTH				
Campylobacter coli (33559)		good-luxuriant				
Campylobacter jejuni (29428)		good-luxuriant				
Campylobacter laridis (35222)		good-luxuriant				
Escherichia coli (25922)		inhibited				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use:</b>		It is used for the selective isolation and differentiation of Campylobacter species.				
<b>Storage:</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing:</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1148</b>		33.50g/l	14.925L	7.4 ± 0.2	CCDA Selective Supplement (BF107)	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 BIOMARK LABORATORIES publications.

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