

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B945	BLOOD FREE CAMPYLOBACTER SELECTIVITY AGAR BASE				
Formula					
Ingredients:					
		gms/lit.			
Meat Extract B#		10.00			
Peptone		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			
Agar		12.00			
#- Equivalent to Beef extract					
Final pH (at 25°C): 7.4 ± 0.2					
Directions:					
Suspend 22.75 grams in 500 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 rehydrated contents of 1 vial of Campylobacter Supplement V (BF018). Alternatively, to increase the selectivity of the medium, rehydrated content of one vial of CAT Selective Supplement (BF108) may be added to 500 ml sterile molten base. Mix well and pour into sterile Petri plates.					
Principle:					
Peptone, casein enzymic hydrolysate and meat extract B serve as sources of essential nutrients and amino acids. Casein is added to help grow certain strains of nalidixic acid resistant thermophilic Campylobacter that are environmental organisms. Additional Amphotericin B in Blood Free Campylobacter Broth Base suppresses the growth of yeast and mold contaminants. Colonies tend to swarm when initially isolated from clinical specimens.					
QC Tests – (I) Dehydrated Medium					
	Colour:		Grey to black		
	Appearance:		Homogeneous Free Flowing powder		
(II) Rehydrated medium					
	pH (post autoclaving/heating):		7.4 ± 0.2		
	Colour (post autoclaving/heating):		Black		
	Clarity (post autoclaving/heating):		Opaque		
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added supplement, after an incubation at 42°C for 24-48 hours.					
	MICROORGANISM (ATCC)		GROWTH	COLOUR OF COLONY	
	Campylobacter jejuni (29428)		Good - luxuriant	Grey	
	Campylobacter coli (33559)		Good - luxuriant	Creamy grey	
	Campylobacter laridis(35222)		Good - luxuriant	Varying type	
	Escherichia coli (25922)		Inhibited	-	
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 selective isolation and differentiation of Campylobacter species from food and animal feeding stuffs. The composition and performance criteria of this medium are as per the specifications laid down in ISO 10272:1995.				
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
B945	45.5g/l	10.989L	7.4 ± 0.2	Campylobacter Supplement V (BF018) or CAT Selective Supplement (BF108)	121°C / 15 minutes

Refer disclaimer Overleaf
Disclaimer:

Page 01 of 02

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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Page 02 of 02