

TECHNICAL SHEET

B964	CAMPYLOBACTER AGAR BASE		
Formula			
Ingredients:	gms/lit.		
Proteose peptone	15.00		
Liver digest	2.50		
Yeast extract	5.00		
Sodium chloride	5.00		
Agar	12.00		
Final pH (at 25°C): 7.4 ± 0.2			
Directions:			
Suspend 19.75 grams in 500 ml purified / 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 5-7 %v/v sterile lysed horse blood or 10% sterile defibrinated sheep blood and rehydrated contents of 1 vial of Campylobacter Supplement-I (Blaser Wang) (BF013) or Campylobacter Supplement-III (Skirrow) (BF015). Mix well and pour into sterile Petri plates.			
Principle:			
Campylobacter Agar Base is a nutritionally rich medium based on Blood Agar Base No. 2, rather than on Brucella Agar, to support more luxuriant Campylobacter growth because Trimethoprim is more active in blood Agar Base No. 2. Supplementation of the base with antimicrobial agents as described by Skirrow and Blaser et al. provides for markedly reduced growth of normal enteric bacteria and improved recovery of <i>C. fetus</i> subsp. <i>Jejuni</i> from fecal specimens. Growth of fungi is markedly to completely inhibited with Campylobacter Antimicrobial Supplement B due to the presence of amphotericin B.			
QC Tests – (I) Dehydrated Medium			
Colour:	Cream to yellow		
Appearance:	Homogeneous Free Flowing powder		
(II) Rehydrated medium			
pH (post autoclaving/heating):	7.4 ± 0.2		
Colour (post autoclaving/heating):	A) Basal medium: 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 under reduced oxygen atmosphere after an incubation at 35-37°C for 24-48 hours. (BF013- Campylobacter supplement I, Blaser-Wang/ BF015- Campylobacter supplement III, Skirrow).			
MICROORGANISM (ATCC)	GROWTH*	GROWTH**	
Campylobacter jejuni (29428)	Good-luxuriant	Good-luxuriant	
Candida albicans (10231)	None to poor	moderate	
Escherichia coli (25922)	None to poor	None to poor	
Enterococcus faecalis (29212)	None to poor	None to poor	
	*after addition of Campylobacter Supplement, I(BF013)		
	**after addition of Campylobacter Supplement II(BF015)		
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.				
	2. Campylobacter Agar prepared with either Campylobacter Antimicrobial Supplement S or Campylobacter Antimicrobial Supplement B is selective primarily for Campylobacter species. Biochemical testing using a pure culture is necessary for complete identification. Consult appropriate references for further information.				
	3. Growth of Campylobacter fetus subsp. Intestinalis may be dramatically inhibited on Campylobacter Agar Blaser due to the presence of cephalothin. The use of Campylobacter Agar Skirrow and incubation at 35°C is suggested when isolating these organisms from mixed populations.				
	4. Some strains of C. fetus subsp. Jejuni may be encountered that fail to grow or grow poorly on prepared Campylobacter Agar.				
	5. Some strains of normal enteric organisms may be encountered that are not inhibited or only partially inhibited on Campylobacter Agar.				
Use:	For selective isolation of Campylobacter species from faecal, 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
B964	39.5g/l	12.65L	7.4 ± 0.2	5-7% v/v sterile lysed horse blood & Campylobacter Supplement I (Blaser-Wang) or Campylobacter Supplement III.	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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.