

TECHNICAL SHEET

B967	CAMPYLOBACTER NITRATE BROTH				
Formula					
Ingredients :		gms/lit.			
Beef heart, infusion from		500.00			
Tryptose		10.00			
Sodium chloride		5.00			
Potassium nitrate		2.00			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 27 gms. in 1000 ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.					
Principle :					
Beef heart infusion and tryptose provide the essential nutrients including mainly the nitrogenous and a few carbon compounds to Campylobacter species. Sodium chloride keeps the osmotic balance of the medium. Potassium nitrate serves as the nitrate source. Biochemical reactions by which species may be differentiated are relatively few because of their inability to ferment or oxidize the usual carbohydrate substrates.					
QC Tests - (I) Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Amber			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 -24 hrs.at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH	NITRATE REDUCTION		
Acinetobacter calcoaceticus (19606)		Luxuriant	-		
Campylobacter jejuni (29428)		Luxuriant	+		
Enterobacter aerogenes (13048)		Luxuriant	+		
Escherichia coli (25922)		Luxuriant	+		
Salmonella typhimurium (14028)		Luxuriant	+		
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 identification of Campylobacter species on the basis of nitrate reduction.					
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
B967	27g/l	18.51L	7.0 ± 0.2	Nil	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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