

B463	PARK AND SANDERS ENRICHMENT BROTH BASE				
Formula					
Ingredients :					
	gms/lit.				
Casein enzymichydrolysate	10.00				
Peptic digest of animal tissue	10.00				
Yeast extract	2.00				
Dextrose	1.00				
Sodium chloride	5.00				
Sodium bisulphite	0.10				
Sodium pyruvate	0.25				
Final pH (at 25°C) : 7.0± 0.2					
Directions :					
Suspend 28.35 gms in 940ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add 50ml of sterile defibrinated lysed horse blood and reconstituted contents of 1 vial of park and sanders selective supplement I (BF087) Mix well. Allow it to stand for 4 hours at 31 to 32°C. Add reconstituted contents of 1 vial of park and sanders selective supplement II (BF089) and incubate for 24 hours at 37°C and then at 42°C under a microaerobic atmosphere for additional 40 to 42 hours with agitation at 100 rpm.					
Principle :					
Casein enzymichydrolysate, peptic digest of animal tissue, yeast extract provide nitrogenous compounds, carbon, sulphur, vitamin and trace elements. Glucose is the energy source. Campylobacter species are microaerophilic. Sodium pyruvate helps of aerotolerance. Sodium sulphite helps in survival of the organism in higher nitrogen atmosphere.					
QC Tests – (I)Dehydrated Medium					
Colour :	Beige				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.0 ± 0.2				
Colour (post autoclaving/heating) :	Light yellow				
Clarity (post autoclaving/heating) :	Clear				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 48 hrs at 42°C.					
MICROORGANISM (ATCC)	GROWTH				
Campylobacter fetus subsp. jejuni (29428)	Good - luxuriant				
Campylobacter coli (33559)	Good				
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 enumeration of thermotolerant Campylobacter species from foods.				
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
B463	28.35g/l	17.636L	7.0 ± 0.2	defibrinated lysed horse blood and park and sanders selective supplement I (BF087)	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 BIOMARKLABORATORIES 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.

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