

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1472	YERSINIA ITC BROTH BASE	
Formula		
Ingredients:		gms/lit.
Tryptone	10.00	
Yeast Extract	1.00	
Magnesium Chloride, Anhydrous	28.10	
Sodium chloride	5.00	
Malachite Green	0.01	
Final pH (at 25°C) :		6.9± 0.2
Directions :		
Suspend 11 g in 250 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add 2.5 ml of Potassium Chlorate Supplement (BF066) and one vial of reconstituted Ticarcillin Irgasan Supplement (BF160). Mix well before pouring into sterile tubes or flasks aseptically.		
Principle :		
Addition of antibiotic supplement makes it highly selective for Yersinia.		
QC Tests – (I) Dehydrated Medium		
Colour :		Light yellow to light blue
Appearance :		Homogeneous Free Flowing powder
(II) Rehydrated medium		
pH (post autoclaving/heating) :		6.9 ± 0.2
Colour (post autoclaving/heating) :		Peacock green
Clarity (post autoclaving/heating) :		Clear to slightly opalescent
(III) Q.C. Test Microbiological		
Cultural characteristics observed at 22-25°C for 48 hours after addition of Potassium Chlorate Supplement (BF066) and one vial of reconstituted Ticarcillin Irgasan Supplement (BF160)		
MICROORGANISM (ATCC)		GROWTH
Yersinia enterocolitica (27729)		Good-luxuriant
Escherichia coli (25922)		Inhibited
Proteus mirabilis (25933)		Inhibited
Pseudomonas aeruginosa (27853)		Inhibited
Streptococcus faecalis (29212)		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 enumeration of Yersinia enterocolitica from clinical specimens, water and food samples. Recommended by ISO 10273:1994	
Storage :	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.	

Refer disclaimer Overleaf Page 01 of 02

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Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1472	44 g/l	11.36 L	6.9 ± 0.2	Potassium Chlorate (BF066) & Ticarcillin Irgasan Supplement (BF160)	121 ⁰ C/15 min.

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.

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