

TECHNICAL SHEET

B1068I	TTC BROTH BASE (TRICLOSAN TICARCILLIN CHLORATE BROTH BASE)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		10.00			
Yeast extract		1.00			
Magnesium chloride, 6H ₂ O		60.00			
Sodium chloride		5.00			
Malachite green		0.01			
Irgasan (Trichlosan)		0.001			
Final pH (at 25°C) : 6.9 ± 0.2					
Directions :					
Suspend 44.11 grams (the equivalent weight of dehydrated medium per litre) in 988 ml distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Aseptically add 1 vial of each Ticarcillin Supplement (BF065) and Potassium Chlorate Supplement (BF066). Mix well before dispensing in sterile tubes.					
Principle :					
Casein enzymic hydrolysate and yeast extract provides essential growth nutrients. Ticarcillin has inhibitory action on both gram – positive and gram – negative organisms. Irgasan inhibits gram – positive organisms. Potassium chlorate has disinfecting property. Agar is a solidifying agent.					
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) :		Green			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added Ticarcillin Supplement (BF065) and Potassium Chlorate Supplement (BF066) after an incubation at 25-30°C for 24-48 hours.					
MICROORGANISM (ATCC)		GROWTH			
Yersinia enterocolitica (27729)		Luxuriant			
Escherichia coli (25922)		inhibited			
Staphylococcus aureus (25923)		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 :	It is recommended for selective enrichment and enumeration of Yersinia enterocolitica by International Organization for Standardization (ISO), 1994, Draft ISO/DIS 10273.				
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :	100 gm. bottle /500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1068I	44.12 g/l	6.57 L	6.9 ± 0.2	Ticarcillin supplement (BF065), Pot. Chlorate supplement (BF066)	121°C/15 min.

Refer disclaimer Overleaf

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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