

**TECHNICAL SHEET**

<b>B1068</b>	<b>TTC BROTH BASE (TRICLOSAN TICARCILLIN CHLORATE BROTH)</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymic hydrolysate		10.00				
Yeast extract		1.00				
Magnesium chloride, 6H <sub>2</sub> O		60.00				
Sodium chloride		5.00				
Malachite green		0.01				
Trichlosan (Irgasan)		0.001				
Final pH (at 25°C) : 6.9 ± 0.2						
<b>Directions :</b>						
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 or flasks as desired.						
<b>Principle :</b>						
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.						
<b>QC Tests – (I) Dehydrated Medium</b>						
	Colour :	Light yellow to light blue				
	Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
	pH (post autoclaving/heating) :	6.9 ± 0.2				
	Colour (post autoclaving/heating) :	Peacock Green				
	Clarity (post autoclaving/heating) :	Clear				
<b>(III) Q.C. Test Microbiological</b>						
	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)	Good-Luxuriant				
	Escherichia coli (25922)	inhibited				
	Staphylococcus aureus (25923)	inhibited				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		Recommended for selective enrichment and enumeration of Yersinia enterocolitica.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		100 gm. bottle /500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1068</b>		44.11 g/l	11.335 L	6.9 ± 0.2	Ticarcillin (BF065), Pot. Cholate (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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