

**TECHNICAL SHEET**

<b>B778</b>	<b>THIOGLYCOLLATE MEDIUM W/CaCO<sub>3</sub></b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		17.00			
Papaic digest of soyabean meal		3.00			
Dextrose		6.00			
Sodium chloride		2.50			
Sodium thioglycollate		0.50			
L-Cystine		0.25			
Sodium sulphite		0.10			
Calcium carbonate		0.10			
Agar		0.70			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 30.15 grams in 1000 ml distilled water. Heat just to boiling. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 25°C and store in a cool, dry place preferably below 25°C.					
<b>Principle :</b>					
Casein enzymic hydrolysate, soyabean meal and L-cystine provides amino acids and other nitrogenous substances to support bacterial growth. Yeast extract provides the B-complex vitamins. Sodium chloride provides essential ions. Dextrose is an energy source. The incorporation of calcium carbonate helps to neutralize acid produced during growth					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		very slightly opalescent solution over a slight white precipitate on standing.			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.					
MICROORGANISM (ATCC )		GROWTH			
Clostridium perfringens (12924)		Luxuriant			
Clostridium sporogenes (11437)		Luxuriant			
Streptococcus pyogenes (19615)		Luxuriant			
<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>	It is recommended for maintenance of anaerobic cultures, particularly highly fermentative types.				
<b>Storage :</b>	Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B778</b>	30.15 g/l	16.583 L	7.0 ± 0.2	Nil	121°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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