

TECHNICAL SHEET

B770	TELLURITE GLYCINE AGAR BASE				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		10.00			
Yeast extract		5.00			
Mannitol		5.00			
Dipotassium phosphate		5.00			
Lithium chloride		5.00			
Glycine		10.00			
Agar		16.00			
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 56 gms.in 1000ml. distilled water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and to each 100 ml. of base add 2 ml of 1% Potassium Tellurite Solution (BF010). Mix well before pouring into sterile petri plates.					
Principle :					
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Lithium chloride and potassium tellurite are the inhibitors of the coagulase negative Staphylococci and a wide variety of other bacteria. Potassium tellurite also serves as a differential agent since coagulase positive Staphylococci reduce tellurite and form black colonies. Mannitol is a source of fermentable carbohydrate for coagulase positive Staphylococci.					
QC Tests – (I)Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 24 – 48 hrs at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH	COLOUR OF COLONY		
Staphylococcus aureus (25923)		Luxuriant	Black		
Staphylococcus epidermidis (12228)		Poor – good	Grey		
Escherichia coli (25922)		Inhibited	-		
Salmonella typhimurium (14028)		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 quantitative detection of coagulase positive Staphylococci from foods and other sources such as skin, mucous membrane, faeces, soil and air.					
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	
B770	56g/l	8.928L	7.2 ± 0.2	1% Potassium Tellurite Solution (BF010).	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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