

**TECHNICAL SHEET**

<b>B021</b>	<b>DIAGNOSTIC THIOGLYCOLLATE MEDIUM (THIOGLYCOLLATE MEDIUM W/O INDICATOR)</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				
Agar		0.70				
Final pH (at 25°C) : 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 30.05 gms. in 1000ml. distilled water. Heat to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the medium in an upright position. For maintenance of viability of cultures, add small amount of calcium carbonate into the containers before filling.						
<b>Principle :</b>						
Casein enzymic hydrolysate, papaic digest of soyabean meal, dextrose, L-cystine provides nitrogenous and carbonaceous compounds, fermentable carbohydrate and trace elements. Sodium thioglycollate serves as a reducing agent. The small amount of agar helps in anaerobiosis.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Very slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after		18 - 48 hrs at 35-37°C.				
MICROORGANISM (ATCC )		GROWTH				
Bacillus subtilis (6633)		Good – luxuriant				
Candida albicans (10231 )		Good – luxuriant				
Clostridium sporogenes (11437)		Good – luxuriant				
Micrococcus luteus (10240)		Good – luxuriant				
Neisseria meningitidis (13090)		Good – luxuriant				
Streptococcus pyogenes (19615)		Good – luxuriant				
Bacteroides vulgatus (8482)		Poor to fair				
<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>		For enrichment of blood cultures.				
<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>B021</b>	30.05g/l	16.64L	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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