

TECHNICAL SHEET

B011	ALTERNATIVE THIOLYCOLLATE MEDIUM (NIH THIOLYCOLLATE BROTH)	
Formula		
Ingredients :	gms/lit.	
Casein enzymic hydrolysate	15.00	
Yeast extract	5.00	
Dextrose	5.50	
Sodium chloride	2.50	
L-Cystine	0.50	
Sodium thiolglycollate	0.50	
Final pH (at 25°C) : 7.1 ± 0.2		
Directions :		
Suspend 29 gms. in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Distribute into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121 °C) for 15 minutes.		
Principle :		
Alternative Thioglycollate Medium contains sodium thiolglycollate that can neutralize the bacteriostatic effect of mercurial preservatives. Absence of agar makes it suitable for testing viscous materials and devices having tubes with small lumina. Casein enzymic hydrolysate, yeast extract, dextrose, L-cystine provides nitrogenous and carbonaceous compounds, vitamin B complex, trace elements and other essential growth nutrients.		
QC Tests – (I) Dehydrated Medium		
Colour :	Cream to yellow	
Appearance :	Homogeneous Free Flowing powder	
(II) Rehydrated medium		
pH (post autoclaving/heating) :	7.1 ± 0.2	
Colour (post autoclaving/heating) :	Yellow	
Clarity (post autoclaving/heating) :	Clear	
(III) Q.C. Test Microbiological		
Cultural characteristics observed after 24 - 72 hrs at 35-37°C.		
MICROORGANISM (ATCC)	GROWTH	
Bacillus subtilis (6633)	Luxuriant	
Bacteroides vulgatus (8482)	Luxuriant	
Candida albicans (10231)	Luxuriant	
Clostridium sporogenes (11437)	Luxuriant	
Clostridium sporogenes (19404)	Luxuriant	
Clostridium sporogenes (14293)	Luxuriant	
Staphylococcus aureus (25923)	Luxuriant	
Staphylococcus aureus (6538)	Luxuriant	
Pseudomonas aeruginosa (27853)	Luxuriant	
Pseudomonas aeruginosa (9027)	Luxuriant	
Escherichia coli (25922)	Luxuriant	
Escherichia coli (8739)	Luxuriant	
Streptococcus pyogenes (19615)	Luxuriant	
Salmonella Typhimurium (14028)	Luxuriant	
Salmonella Abony (NCTC 6017)	Luxuriant	
Bacteroides fragilis (25285)	Luxuriant	
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 sterility testing of turbid or viscous biological products.	

Refer disclaimer Overleaf

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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
B011	29.00 g/l	17.24 L	7.1 ± 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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