

TECHNICAL SHEET

B011	ALTERNATIVE THIOGLYCOLLATE MEDIUM (NIH THIOGLYCOLLATE 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 thioglycollate	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.		
Note: It is preferable to use freshly prepared medium, alternatively it should be boiled and cooled just once prior to use as on reheating, toxic oxygen radicles are formed.		
Principle :		
Alternative Thioglycollate Medium contains sodium thioglycollate 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:	500/100 gm. bottle					
Product profile:	Reconstitution	Quantity on Preparation (500g) (100g)		pH (25°C)	Supplement	Sterilization
B011	29.00 g/l	17.24 L	3.44L	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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