

TECHNICAL SHEET

B1463	THIOGLYCOLLATE MEDIUM	
Formula		
Ingredients :	gms/lit.	
Tryptone	15.00	
Yeast extract	5.00	
Glucose	5.50	
Sodium chloride	2.50	
L-cystine	0.50	
Sodium thioglycollate	0.50	
Resazurin sodium	0.001	
Agar	0.75	
Final pH (at 25°C) : 7.1 ± 0.2		
Directions :		
Suspend 29.75 grams in 1000 ml distilled water. Heat to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Store in a cool dark place preferably below 30°C. Note : If more than the upper one-third of the medium has acquired a pink colour, the medium may be restored once by heating in a water bath or in free flowing steam until the pink colour disappears.		
Principle:		
Tryptone and yeast extract supply nitrogenous compounds, vitamin B complex and other growth nutrients to the microorganisms. Dextrose is the carbohydrate source. L-cystine is the amino acid source. Sodium thioglycollate reduces Eh potential. Resazurin is the redox indicator. Sodium chloride maintains osmotic equilibrium.		
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) :	Light yellow	
Clarity (post autoclaving/heating) :	Clear to very slightly opalescent	
(III)Q.C. Test Microbiological		
Cultural characteristics observed after an incubation at 30-35°C for not more than 3 days.		
MICROORGANISM (ATCC)	GROWTH	
Clostridium sporogenes (11437)	Luxuriant	
Clostridium sporogenes (19404)	Luxuriant	
Clostridium sporogenes(NBRC 14293)	Luxuriant	
Clostridium perfringens (13124)	Luxuriant	
Bacteroides fragilis (23745)	Luxuriant	
Bacteroides vulgatus (8482)	Luxuriant	
Micrococcus luteus (10240)	Luxuriant	
Streptococcus pneumoniae (6305)	Luxuriant	
Staphylococcus aureus (6538)	Luxuriant	
Staphylococcus aureus (25923)	Luxuriant	
Bacillus subtilis (6633)	Luxuriant	
Pseudomonas aeruginosa (9027)	Luxuriant	
Pseudomonas aeruginosa (27853)	Luxuriant	
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	Escherichia coli (25922)	Luxuriant			
	Escherichia coli (8739)	Luxuriant			
	Escherichia coli (NCTC9002)	Luxuriant			
	Salmonella Typhimurium (14028)	Luxuriant			
	Salmonella Abony (NCTC9027)	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 cultivation of anaerobic, micro-aerophilic and aerobic microorganisms and for sterility testing procedures. Recommended by USP and EP				
Storage :	Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1463	29.75 g/l	16.80 L	7.1 ± 0.2	NIL	121°C /15 min.