

TECHNICAL SHEET

B1149	BREWER THIOGLYCOLLATE MEDIUM, MODIFIED					
Formula						
Ingredients :		gms/lit.				
Beef extract		1.50				
Yeast extract		2.00				
Peptic digest of animal tissue		5.00				
Glucose		5.00				
Sodium chloride		5.00				
Sodium thioglycollate		1.10				
Methylene blue 0.002						
Agar		1.00				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 20.6 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes or suitable containers as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Sodium thioglycollate helps to create anaerobic condition as well as neutralizes toxicity of mercurial compounds if present in the inoculum of the test material. Very small amount of agar present maintains anaerobic conditions at the bottom of the broth. Methylene blue indicates oxygen content of the medium by exhibiting bluish – green colour to the medium shows bluish green colour to the medium in presence of oxygen.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent fluid with upper 10% or less medium bluish green on standing				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 –48 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus megaterium(25848)		luxuriant				
Bacteroides vulgatus(8482)		luxuriant				
Candida albicans (10231)		luxuriant				
Clostridium sporogenes (11437)		luxuriant				
Micrococcus luteus (10240)		luxuriant				
Neisseria meningitidis (13090)		luxuriant				
Streptococcus mitis (9811)		luxuriant				
Streptococcus pyogenes (19615)		luxuriant				
Staphylococcus aureus(25923)		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 :		It is used for testing sterility of biological products and for isolation of aerobic and anaerobic organisms.				
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
B1149	20.6g/l	24.271L	7.2 ± 0.2	NIL	121°C / 15 minutes	

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 BIOMARK LABORATORIES publications.

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