

B099	TERGITOL 7 AGAR, MODIFIED					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Yeast extract		6.00				
Meat extract		5.00				
Lactose		20.00				
Tergitol		0.10				
Bromo thymol blue		0.05				
Agar		16.00				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 57.15 gms.in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C -50°C. Add 2.5 ml of 1% 2, 3, 5 Triphenyl Tetrazolium chloride. Mix well and pour into sterile petri plates.						
Principle :						
Peptic digest of animal tissue, Yeast extract and Meat extract are the source of nutrition. Tergitol 7 is a selective agent which inhibits gram positive organisms and minimizes swarming of Proteus species enabling better coliform recovery. Lactose fermentation is observed by change in colour of bromothymol blue, the pH indicator. Triphenyl Tetrazolium Chloride (TTC) allows earlier recognition and identification of E. Coli and Enterobacter aerogenes in water and food. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light to medium yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Green				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18- 24 hours at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY*	COLOUR OF COLONY***		
	Escherichia coli (25922)	Luxuriant	Yellow	Yellow with yellow zone		
	Enterobacter aerogenes (13048)	Luxuriant	Yellow	Greenish yellow		
	Klebsiella pneumoniae (13883)	Luxuriant	Yellow	Greenish yellow		
	Salmonella typhimurium (14028)	Luxuriant	Colourless	Red with bluish zone		
	Pseudomonas aeruginosa (27853)	Good	Colourless	Red with bluish zone		
	Proteus vulgaris	Good	Colourless	Red with bluish zone		
	Staphylococcus aureus (25923)	Inhibited	---	--		
	Key : *	= on plain medium				
	***	= on medium with TTC				
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 selective isolation and enumeration of coliform organisms in water by membrane filtration method.				
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
B099	57.15g/l	8.748L	7.2 ± 0.2	1% 2,3,5 Triphenyl Tetrazolium chloride	121°C /15 min.	

Refer disclaimer Overleaf

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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