

TECHNICAL SHEET

B046	THIOGLYCOLLATE MEDIUM WITH K AGAR				
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			
Resazurin, sodium		0.001			
K Agar		0.75			
Final pH (at 25°C): 7.1 + 0.2					
Directions:					
Suspend 29.8 gms.in 1000ml. 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 25°C.					
Principle:					
Casein enzymic hydrolysate 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. Small amount of K agar helps in creating anerobic condition by hampering the convection currents of the air. 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 fluid with upper 10% or less medium pink on standing.			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 18 - 48 hrs. at 35 - 37°C.				
	MICROORGANISM (ATCC)	GROWTH			
	Bacillus subtilis (6633)	Luxuriant			
	Candida albicans (10231)	Luxuriant			
	Clostridium sporogenes (11437)	Luxuriant			
	Micrococcus luteus (10240)	Luxuriant			
	Neisseria meningitidis (13090)	Luxuriant			
	Streptococcus pyogenes (19615)	Luxuriant			
	Bacteroides vulgatus (8482)	Moderate			
	Key: * = these cultures may be incubated at 25-30°C for 2-7 days.				
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.				
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
B046	29.8g/l	16.77L	7.1 ± 0.2	NIL	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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