

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B776		THIOGLYCOLLATE AGAR				
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		15.00				
L-Cystine		0.50				
Dextrose		5.50				
Yeast extract		5.00				
Sodium chloride		2.50				
Sodium thioglycollate		0.50				
Resazurin		0.001				
Agar		20.00				
Final pH (at 25°C) :		7.1 ± 0.2				
Directions :						
Suspend 49.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate, yeast extract provides nitrogenous compounds, vitamin B and other essential growth nutrients. Dextrose is the fermentable carbohydrate and energy source. Resazurin is the redox indicator. Sodium thioglycollate act as a reducing agent and neutralizes the antibacterial effect of mercurial preservatives and other heavy metal compounds which exert a bacteriostatic effect in the materials under examination. Any increase in the oxygen content is indicated by a colour change of redox indicator, resazurin to red. Agar is the solidifying agent.						
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 amber				
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent solution				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 40-48 hrs.at 35-37°C under anaerobic condition						
MICROORGANISM (ATCC)		GROWTH				
Clostridium botulinum (25763)		Luxuriant				
Clostridium perfringenes (12924)		Luxuriant				
Clostridium sporogenes (11437)		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 microorganisms.				
Storage :		Dehydrated medium- below 30°C Prepared medium - At room temperature and away from light.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B776		49.0g/l	10.204 L	7.1 ± 0.2	NIL	121°C /15 min.