

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B080	THIOSTARCH BROTH				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		15.00			
Yeast extract		5.00			
L-Cystine		0.50			
Dextrose		5.00			
Sodium chloride		2.50			
Sodium thioglycollate		0.50			
Soluble starch		1.00			
Resazurin		0.001			
Agar		0.75			
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 30.25 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in test tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes.					
Principle :					
Casein enzymic hydrolysate, yeast extract, L-cysteine provide nitrogen source and growth factor for bacterial growth. Sodium thioglycollate and L-cystine are reducing agents, maintains low redox potential and support anaerobiosis and thus allows Clostridium to grow in the medium even under aerobic conditions. Resazurin is an oxidation-reduction indicator being pink when oxidized and colourless when reduced. Small amount of agar assists in the maintenance of a anaerobiosis in the lower depths of the medium.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Cream to pink			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.1 ± 0.2			
	Colour (post autoclaving/heating) :	Light straw			
	Clarity (post autoclaving/heating) :	Upper 10% or less medium pink on standing, clear to slightly opalescent.			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 48 hours				
	MICROORGANISM (ATCC)	GROWTH			
	Bacillus subtilis (6633)	Luxuriant			
	Candida albicans (10231)	Luxuriant			
	Clostridium sporogenes (11437)	Luxuriant			
	Micrococcus luteus (10240)	Luxuriant			
	Streptococcus pyogenes (19615)	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 sterility testing of pharmaceutical or biological products.				
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
B080	30.25 g/l	16.528 L	7.1 ± 0.2	Nil	121°C /15 min.

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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