

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B781	THIOSULPHATE AGAR					
Formula						
Ingredients:		gms/lit.				
Sodium thiosulphate		5.00				
Dipotassium hydrogen phosphate		0.10				
Sodium bicarbonate		0.20				
Ammonium chloride		0.10				
Agar		20.00				
Final pH (at 25°C): Self						
Directions:						
Suspend 25.4 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Add excess of calcium carbonate if desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.						
Principle:						
D. desulfuricans reduces sodium thiosulphate in the medium to hydrogen sulphide. Other salts serve to fulfill the essential ion requirement of bacteria.						
QC Tests - (I) Dehydrated Medium						
Colour:		Cream to yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating):		Self				
Colour (post autoclaving/heating):		Light yellow				
Clarity (post autoclaving/heating):		Clear to slightly opalescent gel				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 30°C for 7 days under anaerobic conditions.						
MICROORGANISM (ATCC)		GROWTH				
Desulfovibrio desulfuricans (13541)		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 recommended for cultivation of sulphur metabolizing bacteria present in soil specimens.				
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
B781		25.4 g/l	19.685 L	Self	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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