

TECHNICAL SHEET

B077	TRANSPORT CHARCOAL MEDIUM				
Formula					
Ingredients :		Gms/lit.			
Sodium thioglycollate		0.90			
Sodium glycerophosphate		10.00			
Charcoal		10.00			
Calcium chloride	0.10				
Methylene blue		0.002			
Agar		3.00			
Final pH (at 25°C) :		7.4 ± 0.2			
Directions :					
Suspend 24 gms.in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in screw capped tubes with constant stirring to maintain charcoal particles in suspension. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Shake gently to distribute charcoal particles evenly, just before the medium gels. Cool the tubed medium in an upright position.					
Principle :					
In the formulations, potassium chloride, calcium chloride, magnesium chloride and sodium chloride provide essential ions that help maintain osmotic balance while controlling permeability of bacterial cells. Monopotassium phosphate and Disodium phosphate provide buffering capabilities. Sodium thioglycollate suppresses oxidative changes and provides a reduced environment. Sodium glycerophosphate is a buffer for use with calcium chloride. Methylene blue is a colorimetric pH indicator of the oxidation – reduction state. Charcoal neutralizes fatty acids that are toxic to microorganisms. Agar is a solidifying agent.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Black			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.4 ± 0.2			
	Colour (post autoclaving/heating) :	Black			
	Clarity (post autoclaving/heating) :	Opaque			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 5 days at 30°C.				
	MICROORGANISM (ATCC)	RECOVERY *			
	Klebsiella pneumoniae (13883)	Excellent			
	Pseudomonas aeruginosa (27853)	Excellent			
	Salmonella typhi (6539)	Excellent			
	Shigella flexneri (12022)	Excellent			
	Staphylococcus aureus (25923)	Excellent			
	Vibrio cholerae (15748)	Excellent			
	Key : * = growth upon subculturing on Tryptone Soya Agar				
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 transportation of clinical 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
B077	24g/l	20.833L	7.4 ± 0.2	NIL	121°C /15 min.

Refer disclaimer Overleaf

TECHNICAL SHEET

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.