

TECHNICAL SHEET

B785	TRANSPORT MEDIUM, AMIES W/O CHARCOAL					
Formula						
Ingredients :		gms/lit.				
Sodium chloride		3.00				
Potassium chloride		0.20				
Calcium chloride		0.10				
Magnesium chloride		0.10				
Monopotassium phosphate		0.20				
Disodium phosphate		1.15				
Sodium thioglycollate		1.00				
Agar		4.00				
Final pH (at 25°C) :		7.3 ± 0.2				
Directions :						
Suspend 10 gms.in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in screw cap bottles or tubes in 6 ml. or desired quantity. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool 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 :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		Light straw to colourless				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 48 hrs.at 35 -37°C.						
MICROORGANISM (ATCC)		GROWTH				
Neisseria meningitidis (13090)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Staphylococcus epidermidis (12228)		Luxuriant				
Streptococcus pyogenes (19615)		Luxuriant				
Precautions :		<ol style="list-style-type: none"> 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. IRRITANT. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. 				
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 and preservation 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
B785		10g/l	50L	7.3 ± 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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