

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 9.75 gms.in 1000 ml. 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. Charcoal neutralizes fatty acids that are toxic to microorganisms. Agar is a solidifying agent.		
Transport Medium is necessarily and should be a non-nutrient, semisolid, reductive medium which hampers the self destructive enzymatic reactions within the cells and also inhibits toxic oxidation effects.		
For the collection of the specimen, use sterile cotton tipped swabs on wooden sticks. Push the swabs down to one third of the medium depth and cut the stick, so that when the cap is screwed down, the swab is forced to the bottom of the medium. Tighten the cap firmly on the bottle. The specimen will be preserved during transportation and also the viability of the organisms will be maintained but it will diminish over the time. Some growth of contaminants also may occur during longer period of transport. After the transportation, the specimen should be inoculated in proper medium as soon as possible. The cultures on transport swabs must not be kept at room temperature for more than 24 hours		
QC Tests – (I)Dehydrated Medium		
	Colour :	Off white to 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 when subculture on Tryptone Soya Agar(B039)after an incubation at 35-37°C for 18-24 hours	
	MICROORGANISM (ATCC)	GROWTH
	Neisseria meningitidis (13090)	Luxuriant
	Staphylococcus aureus (25923)	Luxuriant
	Staphylococcus epidermidis (12228)	Luxuriant
	Streptococcus pyogenes (19615)	Luxuriant
Precautions :		
	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	
Refer disclaimer Overleaf		

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Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B785	9.75g/l	51.28L	7.3 ± 0.2	NIL	121°C /15 min.

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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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