

**TECHNICAL SHEET**

<b>B103</b>	<b>AMIES TRANSPORT MEDIUM WITH CHARCOAL</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
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			
Charcoal		10.00			
Agar		4.00			
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 19.75gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense in screwcap 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. Turn the tubes several times while agar is solidifying to maintain uniform suspension of charcoal particles.					
<b>Principle :</b>					
Amies Transport Medium provides a reduced environment due to the presence of sodium thioglycollate and small amount of agar. Charcoal helps to neutralize materials which are toxic to sensitive pathogens like Neisseria gonorrhoeae. Calcium and magnesium. Potassium, sodium salts help the survival of gonococcal cells and also control permeability of bacterial cells.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Grey to Black			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.2 ± 0.2			
	Colour (post autoclaving/heating) :	Black			
	Clarity (post autoclaving/heating) :	Opaque			
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after 18-24 hrs. at 35-37°C when subcultured on Tryptone Soya Agar				
	MICROORGANISM (ATCC )	RECOVERY			
	Escherichia coli (25922)	Luxuriant			
	Klebsiellapneumoniae (13883 )	Luxuriant			
	Pseudomonas aeruginosa (9027)	Luxuriant			
	Salmonella typhi (6531 )	Luxuriant			
	Shigella flexneri (12022)	Luxuriant			
	Staphylococcus aureus (25923)	Luxuriant			
	Vibrio cholerae (15748 )	Luxuriant			
	Neisseria meningitidis (13090)	Luxuriant			
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	For preservation and transportation of microbiological specimens.				
<b>Storage :</b>	Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B103</b>	19.75 g/l	25.32 L	7.2 ± 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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