

B721	SENSITIVITY TEST MEDIUM					
Formula						
Ingredients:		gms/lit.				
Proteose peptone		10.00				
Veal, infusion from		10.00				
Dextrose		10.00				
Sodium chloride		3.00				
Disodium phosphate		2.00				
Sodium acetate		1.00				
Adenine sulphate		0.01				
Guanine		0.01				
Uracil		0.01				
Xanthine		0.01				
Agar		15.00				
Final pH (at 25°C):		7.3 ± 0.2				
Directions:						
Suspend 51.04 gms.in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 12-15 lbs. pressure (118-121°C) for 15 minutes. Cool to 50°C and add sterile serum or blood aseptically if desired. Mix well and pour into sterile petri plates.						
Principle:						
Incorporation of sodium acetate and veal infusion in this medium renders the medium to give better defined zones of inhibition in sensitivity plate tests. Proteose peptone supply the nitrogenous nutrients to the organisms. Addition of nucleoside bases supports the growth of common gram – positive and gram – negative organisms. Dextrose serves as the carbohydrate and energy source for many microorganisms. The medium is well buffered and isotonic due to the inclusion of disodium phosphate and sodium chloride. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour:		Cream to yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating):		7.3 ± 0.2				
Colour (post autoclaving/heating):		Yellow				
Clarity (post autoclaving/heating):		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		RECOVERY				
Bacillus subtilis (6633)		Luxuriant				
Escherichia coli (25922)		Luxuriant				
Pseudomonas aeruginosa (27853)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Enterococcus faecalis (29212)		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:		For sensitivity tests with sulphonamides and other antimicrobial agents.				
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
B721	51.04g/l		9.796L	7.3 ± 0.2	sterile serum or blood aseptically if desired.	118-121°C / 15 minutes

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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