

TECHNICAL SHEET

B502	STAPHYLOCOCCUS AUREUS ENRICHMENT BROTH (DISINFECTANT TEST BROTH)				
Formula					
Ingredients:		gms/lit.			
Meat infusion powder		5.00			
Peptic digest of animal tissue		10.00			
Sodium chloride		5.00			
Final pH (at 25°C):		6.8 ± 0.2			
Directions:					
Suspend 20 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle					
Peptic digest of animal tissue and meat infusion powder provide carbonaceous, nitrogenous compounds and other necessary nutrients for the growth of the test organisms. Yeast extract provides vitamins and other trace nutrients. Sodium chloride maintains the osmotic equilibrium					
QC Tests –(I)Dehydrated Medium					
	Colour:	Cream to yellow			
	Appearance:	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating):	6.8 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow			
	Clarity (post autoclaving/heating) :	clear solution without any precipitate.			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after 18 - 24 hrs.at 35-37°C.				
	MICROORGANISM (ATCC)	GROWTH			
	Staphylococcus aureus (6538)	Luxuriant			
	Staphylococcus aureus (25923)	Luxuriant			
	Escherichia coli (25922)	Good-Luxuriant			
	Pseudomonas aeruginosa (27853)	Good-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 :	It is recommended for enrichment of Staphylococcus aureus.				
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
B502	20g/l	25.0 L	6.8 ± 0.2	NIL	121°C / 15 minutes

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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