

B421	BILE BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		20.00				
Sodium taurocholate		5.00				
Sodium chloride		5.00				
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 30.0 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 40°C and add 1 ml of Streptokinase solution (100000 units/ml). Mix well and dispense as desired.						
Principle :						
Peptic digest of animal tissue serves important sources of nitrogen. Sodium taurocholate inhibits majority of Gram-positive species. Sodium chloride maintains the isotonicity of the medium whereas addition of streptokinase solution causes rapid clot lysis with release of bacteria trapped in the clot.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating):		7.6 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating):		Clear solution without any haziness				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriant				
Enterobacter aerogenes (13048)		Luxuriant				
Salmonella Typhi (6539)		Luxuriant				
Staphylococcus aureus (25923)		Inhibited				
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 used for the cultivation of members of Enterobacteriaceae and in culture of blood clots from patients with suspected enteric fever.						
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
B421		30.0g/l	16.666 L	7.6 ± 0.2	1 ml of Streptokinase solution (100000 units/ml)	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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