

B769	TAUROCHOLATE BROTH					
Formula						
Ingredients:			gms/lit.			
Casein enzymic hydrolysate			8.00			
Peptic digest of animal tissue			12.00			
Lactose			10.00			
Sodium taurocholate			5.00			
Sodium chloride			5.00			
Neutral red			0.03			
Crystal violet			0.0001			
Final pH (at 25°C): 7.4 ± 0.2						
Directions:						
Suspend 40.03 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes containing inverted Durhams tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle:						
The selective action of this medium is attributed to crystal violet and sodium taurocholate which inhibits most species of grampositive bacteria. Lactose is a fermentable carbohydrate. Neutral red is the indicator dye in the media. Lactose fermenters acquire pinkish red colour due to production of acid. Sodium chloride maintains the osmotic balance at the medium.						
QC Tests – (I) Dehydrated Medium						
Colour:			Light yellow to pink			
Appearance:			Homogeneous Free Flowing powder			
(II) Rehydrated medium						
pH (post autoclaving/heating) :			7.4 ± 0.2			
Colour (post autoclaving/heating):			Red			
Clarity (post autoclaving/heating):			Clear solution without any precipitate.			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours						
MICROORGANISM (ATCC)		GROWTH	ACID	GAS		
Enterobacter aerogenes (13048)		luxuriant	+	+		
Escherichia coli (25922)		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 useful for selective isolation of coliforms from water, milk and other food products				
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
B769	40.0 g/l	12.50 L	7.4 ± 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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