

TECHNICAL SHEET

B387	LAURYL TRYPTOSE MANNITOL BROTH W/TRYPHTOPHAN					
Formula						
Ingredients :		gms/lit.				
Tryptose		20.00				
Mannitol		5.00				
Sodium chloride		5.00				
Dipotassium phosphate		2.75				
Monopotassium phosphate		2.75				
Sodium lauryl sulphate		0.10				
L-Tryptophan		0.20				
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 35.8 gms.in 1000ml. distilled water. Warm gently to dissolve the medium completely. Dispense in fermentation tubes with inverted Durham's tubes and sterilize by autoclaving at 10 lbs pressure (115°C) for 10 minutes.						
Principle :						
Lauryl Tryptose Mannitol Broth with Tryptophan has been recommended as a single tube confirmatory test of E.coli in drinking water. This medium may be used parallel to Lauryl Tryptose Broth to detect non – lactose fermenting strains of E.coli. E.coli is confirmed by gas and indole production when incubated at 44°C for 24 hours. If the indole test is negative even if in a single tube medium, repeat the test in Tryptone Water. Each tube showing acid and gas in the multiple tube test is subcultured to a tube of Lauryl Tryptose Mannitol Broth with Tryptophan and incubated at 44°C.						
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) :		Light to medium yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 hrs at 44°C.						
MICROORGANISM (ATCC)		GROWTH	INDOLE	GAS		
Escherichia coli (25922)		Luxuriant	+	+		
Staphylococcus aureus (25923)		Inhibited	-	-		
Enterobacter aerogenes (13048)		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 :		For confirmation of E.coli in drinking water.				
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
B387	35.8 G/L		13.966lit	6.8 ± 0.2	Nil	115°C/10 min

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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET