B387	**LAURYL TRYPTOSE MANNITOL BROTH W/TRYPTOPHAN**
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	115^0C/10 min