

B800	TRYPTONE SOYA AGAR W/ MAGNESIUM SULPHATE (TSAM)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		15.00			
Peptic digest of animal tissue		5.00			
Sodium chloride		5.00			
Magnesium sulphate		1.50			
Agar		15.00			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 41.5 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.					
Principle :					
Casein enzymic hydrolysate and peptic digest of animal tissue provide the necessary nutrients to the organisms. Sodium chloride maintains osmotic equilibrium while magnesium sulphate enhances maximum recovery of the coliform bacteria on membrane filters.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.3 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent gel			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed after an incubation at different temperatures for 22-24 hours.				
	MICROORGANISM (ATCC)	GROWTH AT 35-37°C	GROWTH AT 44-46°C		
	Escherichia coli (25922)	Luxuriant	Luxuriant		
	Enterococcus faecalis (29212)	Luxuriant	inhibited		
	Salmonella Typhimurium (14028)	Luxuriant	inhibited		
	Shigella flexneri (12022)	Luxuriant	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 recommended for cultivation of coliforms in accordance with AOAC.				
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
B800	41.5 g/l	12.048 L	7.3 ± 0.2	Nil	121°C /15 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 BIOMARK LABORATORIES 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.