

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B1437	TRYPTONE SOYA YEAST EXTRACT BROTH			
Formula				
Ingredients :		gms/lit.		
Casein enzymic hydrolysate		17.00		
Papaic digest of soyabean meal		3.00		
Sodium chloride		5.00		
Dipotassium hydrogen phosphate		2.50		
Dextrose		2.50		
Yeast extract		6.00		
Final pH (at 25°C) : 7.3 ± 0.2				
Directions :				
Suspend 36 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.				
Principle :				
Casein enzymic hydrolysate and papaic digest of soyabean meal provide amino acids and other complex nitrogenous substances. Dextrose is the energy source. Dipotassium hydrogen phosphate acts as buffering system to control pH. Yeast extract is the rich source of vitamin B complex.				
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) :		Light amber to yellow		
Clarity (post autoclaving/heating) :		Clear		
(III) Q.C. Test Microbiological				
Cultural characteristics observed after an incubation at 30-37°C for 24-48 hours.				
MICROORGANISM (ATCC)		GROWTH		
Listeria monocytogenes (19117)		Good -Luxuriant		
Listeria monocytogenes (19111)		Good -Luxuriant		
Listeria monocytogenes (19118)		Good - Luxuriant		
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 Listeria in Henry's light as per International Organization for Standardization (ISO), 1993, Draft, ISO/DIS 10560.			
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
B1437	36g/l	13.88L	7.3 ± 0.2	NIL
				121°C /15min.