

**TECHNICAL SHEET**

<b>B1437</b>	<b>TRYPTONE SOYA YEAST EXTRACT BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
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						
<b>Directions :</b>						
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.						
<b>Principle :</b>						
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.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		Light amber to yellow				
Clarity (post autoclaving/heating) :		Clear				
<b>(III) Q.C. Test Microbiological</b>						
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				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For confirmation of Listeria in Henry's light as per International Organization for Standardization (ISO), 1993, Draft, ISO/DIS 10560.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1437</b>	36g/l	13.88L	7.3 ± 0.2	NIL	121°C /15min.	

**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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