

**TECHNICAL SHEET**

<b>B1433</b>	<b>TRYPTONE SOYA YEAST EXTRACT AGAR</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			
Agar		15.00			
Final pH (at 25°C) : 7.3 ± 0.2					
<b>Directions :</b>					
Suspend 51 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.					
<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 buffers the medium. 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 to slightly opalescent gel			
<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 (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>	Tryptone soya agar is recommended for confirmation of Listeria in Henny's light. It is also recommended by ISO committee as per specification ISO 10560:1993.				
<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>B1433</b>	51g/l	9.803L	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 BIOMARKLABORATORIES publications.

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