

TECHNICAL SHEET

B1418	TRYPTIC SOY YEAST EXTRACT AGAR(TSYEA)				
Formula					
Ingredients :		gms/lit.			
Enzymatic digest of casein		17.00			
Enzymatic digest of Soya meal		3.00			
Sodium chloride		5.00			
Dipotassium Hydrogen Phosphate		2.50			
Glucose		2.50			
Yeast Extract		6.00			
Agar		12.00			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 48.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Distribute and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour in sterile Petri plates.					
Principle :					
Enzymatic digest of casein and enzymatic digest of Soya 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.					
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 25± 1°C °C for 18-24 hours.				
	MICROORGANISM (ATCC)		GROWTH		
	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 :		Recommended for confirmation of Listeria in Henry's light. The composition and performance criteria of this media is as per the specification laid down in ISO 11290-1:2017, ISO 11290-2:2017 and .ISO 11133:2014 (E) /Amd.: 2020.			
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
B1418	48.0 g/l	10.416 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 BIOMARKLABORATORIES publications.

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