

TECHNICAL SHEET

B1419	TRYPTIC SOY YEAST EXTRACT BROTH (TSYEB)					
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				
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 36 gram in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
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 solution in tubes.				
(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				
	Listeria monocytogenes (19117)	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
B1419		36.0 g/l	13.888 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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