B1433	**TRYPTONE SOYA YEAST EXTRACT AGAR**

Formula

Ingredients : **Gms /lit.**

ISO specification - Tryptone Soya Yeast Extract Agar	
Ingredients	g / L
Tryptone	17.000
Soya peptone	3.00
Sodium chloride	5.000
Dipotassium hydrogen phosphate	2.500
Dextrose (Glucose)	2.500
Yeast extract	15.00
Agar	15.00
Final pH (at 25°C)	7.3±0.2

B1433- Tryptone Soya Yeast Extract Agar	
Ingredients	g / L
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

Final pH (at 25°C) : 7.3 ± 0.2

Directions :

Suspend 51.0 gram in 1000 ml purified/distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.

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 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 incubation at 30-37°C for 24-48 hours.	
	MICROORGANISM (ATCC)	GROWTH
	Listeria monocytogenes (ATCC 13932)	Good –Luxuriant
	Listeria monocytogenes ATCC 35152	Good – Luxuriant
Precautions :	1. For Laboratory Use.	
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.	
Limitations :	1. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium.	
	2. Each lot of the medium has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's unique requirement	
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.	

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TECHNICAL SHEET

Storage :	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1433	51g/l	9.803L	7.3 ± 0.2	NIL	121^0C /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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