

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1445</b>	<b>TRYPTIC SOYA AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Pancreatic digest of casein	17.00				
Papaic digest of soyabean meal	3.00				
Sodium chloride	5.00				
Dextrose (Glucose)	2.50				
Dipotassium hydrogen phosphate	2.50				
Agar	15.000				
Final pH (at 25°C): 7.3 ± 0.2					
<b>Directions :</b>					
Suspend 45 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
Pancreatic digest of casein and papaic digest of soyabean meal provides nitrogen, vitamins and minerals. Glucose serves as the carbohydrate source. Phosphate buffers the media. Sodium chloride maintains the osmotic balance. Agar is the solidifying agent.					
<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 yellow			
	Clarity (post autoclaving/heating) :	clear to slightly opalescent gel			
<b>(III) Q.C. Test Microbiological</b>					
	Cultural characteristics was observed after an incubation at 30-35°C 18-24 hours				
	MICROORGANISM (ATCC )	GROWTH			
	Salmonella Typhi (6539)	Luxuriant			
	Salmonella Typhimurium (14028)	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>	It is used for general purpose medium used for a cultivation and maintenance of Salmonella typhimureum.				
<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>B1445</b>	45.0 g/l	11.111 L	7.3 ± 0.2	Nil	121°C /15 min.

**Disclaimer:**

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