

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B732</b>	<b>TRYPTONE SOYA BROTH W/ 0.1% AGAR (SOYABEAN CASEIN DIGEST MEDIUM WITH 0.1% 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 phosphate			2.50			
Dextrose			2.50			
Agar			1.00			
Final pH (at 25°C) : 7.3 ± 0.2						
<b>Directions :</b>						
Suspend 31 gms in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Casein enzymic hydrolysate and papaic digest of soyabean meal supplies nitrogenous and carbonaceous compounds, trace minerals etc. Dextrose serves as a source of fermentable carbohydrate for the energy production. Sodium chloride maintains osmotic balance while dipotassium phosphate provides buffering capacity. Small percentage of agar helps in creating moderately anaerobic condition in the depth of the medium.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :			Light yellow			
Appearance :			Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :			7.3 ± 0.2			
Colour (post autoclaving/heating) :			Yellow			
Clarity (post autoclaving/heating) :			Clear			
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 - 48 hrs at 35 - 37°C.						
MICROORGANISM (ATCC)			GROWTH			
Staphylococcus epidermidis (12228)			Good – luxuriant			
Streptococcus pneumoniae (6303)			Good – luxuriant			
Streptococcus pyogenes (19615)			Good – luxuriant			
Clostridium perfringens (12924)			Good – luxuriant			
Bacteroides fragilis (25285)			Good – luxuriant			
Neisseria meningitidis (13090)			Good			
<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>		<b>B732:</b> For cultivation of anaerobes from root canals, blood and other specimens.				
<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>B732</b>		31g/l	16.129L	7.3 ± 0.2	NIL	121°C / 15 minutes