

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B731	SOYABEAN CASEIN DIGEST MEDIUM W/O DEXTROSE					
Formula						
Ingredients :			gms/lit.			
Casein enzymic hydrolysate			17.00			
Papaic digest of soyabean meal			3.00			
Sodium chloride			5.00			
Dipotassium phosphate			2.50			
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 27.5 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.						
Principle :						
Casein enzymic hydrolysate and papaic digest of soyabean meal supplies nitrogenous and carbonaceous compounds, trace minerals etc.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.						
QC Tests - (I) Dehydrated Medium						
Colour :		Light 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				
(III) Q.C. Test Microbiological						
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				
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:		B731: For the cultivation of Neisseria, pathogenic Streptococci etc. With carbohydrate addition it can also be used for the fermentation studies of fastidious and non-fastidious organisms.				
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
B731	27.5g/l	18.181L	7.3 ± 0.2	NIL	121°C / 15 minutes	