

B1232	MODIFIED SOYABEAN CASEIN DIGEST AGAR					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		17.00				
Papaic digest of soyabean meal		3.00				
Sodium chloride		5.00				
Dipotassium hydrogen phosphate		2.50				
Glucose		2.50				
Polysorbate 80		10.00				
Agar		15.00				
Final pH (at 25°C) :		Self				
Directions :						
Suspend 55 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
Principle :						
Casein enzymic hydrolysate and papaic digest of soyabean meal makes this media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Glucose serves as immediate carbon source whereas dipotassium phosphate buffers the medium. Sodium chloride maintains the osmotic balance of media. Polysorbate 80 serves as fatty acid source.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent gel				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus subtilis (6633)		luxuriant				
Candida albicans (10231)		luxuriant				
Staphylococcus aureus (25923)		luxuriant				
Streptococcus pyogenes (19615)		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 :		It is used for the microbiological assay of polymyxin B, colistin sulphate and colistimethate sodium.				
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
B1232		55.0 g/l	9.090 L	Self	Nil	121°C/15 minutes