

<b>B1232</b>	<b>MODIFIED SOYABEAN CASEIN DIGEST 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 hydrogen phosphate			2.50			
Glucose			2.50			
Polysorbate 80			10.00			
Agar			15.00			
Final pH (at 25°C) :			Self			
<b>Directions :</b>						
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.						
<b>Principle :</b>						
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.						
<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) :		Self				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent gel				
<b>(III) Q.C. Test Microbiological</b>						
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				
<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 the microbiological assay of polymyxin B, colistin sulphate and colistimethate sodium.						
<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>B1232</b>		55.0 g/l	9.090 L	Self	Nil	121°C/15 minutes

**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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