

TECHNICAL SHEET

B535	GELATIN PHOSPHATE SALT AGAR (GPS)					
Formula						
Ingredients :		gms/lit.				
Gelatin		10.00				
Sodium chloride		10.00				
Dipotassium phosphate		5.00				
Agar		15.00				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 40 gms in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Gelatinase enzyme producing Vibrios degrade gelatin and forms small colonies which are transparent with a cloudy halo Gelatinase negative organisms show the satellite growth and may surround the colonies of Vibrio cholerae on this medium. Dipotassium phosphate buffers the medium while sodium chloride maintains osmotic balance.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 –24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Vibrio cholerae (15748)		Good – 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 :		For cultivation and characterization of Vibrio cholerae from food.				
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
B535	40 g/l		12.5L	7.2 ± 0.2	nil	121°C / 15 minutes

Disclaimer:

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