

<b>B532</b>	<b>GELATIN AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Gelatin		30.00				
Casein enzymic hydrolysate		10.00				
Sodium chloride		10.00				
Agar		15.00				
Final pH (at 25°C) : 7.2 ± 0.2						
<b>Directions :</b>						
Suspend 65 grams in warm preheated 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>						
The melting point of a 12% concentration of Gelatin is between 28 and 30°C, which allows it to be used as a solidifying agent. Certain microorganisms elaborate gelatinolytic enzymes (gelatinases) which hydrolyze gelatin, causing liquefaction of a solidified medium or preventing the gelation of a medium containing gelatin. Gelatin is also used as a source of nitrogen and amino acids. Gelatone is a peptone from gelatin obtained by digesting gelatin with pancreatin.						
<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) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Cream to yellow				
Clarity (post autoclaving/heating) :		Slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24-48 hours at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH		GELATIN LIQUEFACTION		
Vibrio cholerae (15748 )		Luxuriant		positive reaction, clear zone around the colony within 24-48 hours		
Vibrio parahaemolyticus (17802)		Luxuriant		positive reaction, clear zone around the colony within 24-48 hours		
<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>		For cultivation and identification of Vibrio species.				
<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>B532</b>		65 g/l	7.69 L	7.2 ± 0.2	Nil	121°C / 15 minutes