

TECHNICAL SHEET

AS003	Gelatin Agar Slant				
Formula					
Ingredients:		gms/lit.			
Gelatin		30.00			
Casein enzymic hydrolysate		10.00			
Sodium chloride		10.00			
Agar		15.0			
Final pH (at 25°C): 7.2 ± 0.2					
Directions:					
Streak the test inoculum aseptically into the slant and incubate at appropriate conditions.					
Principle:					
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. <i>V. cholerae</i> appear transparent and usually have a characteristic cloudy zone around colony, which becomes more definite after few minutes of refrigeration. When these colonies are viewed in oblique light, they appear iridescent green to bronze colored and finely granular.					
(I) QC Tests					
	pH:	7.2 ± 0.2			
	Color:	Yellow coloured, clear to slightly opalescent gel in slants.			
	Appearance:	Sterile Gelatin Agar in disposable slants.			
(II) Sterility test					
Passes release criteria					
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.					
	MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH	RECOVERY	Gelatin liquefaction
	<i>Vibrio cholerae</i> 15748	50-100	luxuriant	>=50%	positive reaction, clear zone around the colony
	<i>Vibrio parahaemolyticus</i> 17802 (00037*)	50-100	luxuriant	>=50%	positive reaction, clear zone around the colony

Refer disclaimer Overleaf

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Precautions :	1. In Vitro diagnostic use only. 2. Read the label before opening the container
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:	Recommended for cultivation and identification of Vibrio species.
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	10/25 disposable slants.

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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