

TECHNICAL SHEET

B296	NUTRIENT GELATIN					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		5.00				
Meat Extract B#		3.00				
Gelatin		120.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) :		6.8 ± 0.2				
Directions :						
Suspend 128 grams in 1000 ml of warm (50°C) distilled water. Heat to boiling to dissolve the medium completely. Dispense into test tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubed medium to cool in an upright position.						
Principle :						
Peptic digest of animal tissue and Meat Extract B supply nutrients for the growth of non-fastidious organisms. Gelatin is the substrate for the determination of the ability of an organism to produce gelatinase, a proteolytic enzyme active in the liquefaction of gelatin. Gelatin is solid at 20°C or less temperature and liquid at 35°C or higher temperature. Gelatin liquefies at about 28°C, so incubation is carried out at 35°C but kept in a refrigerator for about 2 hours before interpretation of the results.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
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 1 to 7 days, (Incubated anaerobically for Cl.perfringens). (For gelatinase test, cool below 20°C)						
MICROORGANISM (ATCC)		GROWTH		GELATINASE		
Clostridium perfringens (12924)		Good-luxuriant		Positive reaction		
Bacillus subtilis (6633)		Good-luxuriant		Positive reaction		
Escherichia coli (25922)		Good-luxuriant		Negative reaction		
Proteus vulgaris (13915)		Good-luxuriant		Positive reaction		
Staphylococcus aureus(25923)		Good-luxuriant		Positive reaction		
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 recommended for detection of gelatin liquefaction by proteolytic microorganisms.				
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
B296		128 g/l	3.9 L	6.8 ± 0.2	NIL	121 ⁰ 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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