

B1034	FEELEY GORMAN AGAR (F.G. AGAR)				
Formula					
Ingredients :			gms/lit.		
Casein acid hydrolysate	17.50	BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET			
Meat extract	3.00				
Starch	1.50				
L-cysteine hydrochloride	0.40				
Ferric pyrophosphate, soluble	0.25				
Agar	17.00				
Final pH (at 25°C) : 6.9 ± 0.2					
Directions :					
Suspend 40 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool 45-50°C and aseptically add rehydrated contents of Legionella Supplement (BF026). Mix well before pouring into sterile tubes or petriplates.					
Principle :					
Casein acid hydrolysate, beef extract, L-cysteine hydrochloride and ferric pyrophosphate act as sources of nutrients. Incubation should be carried out in the presence of 2.5% Carbon – dioxide but if it exceeds, Legionella growth is inhibited due to acidic condition formed. It is recommended to inoculate FG and Legionella Agar with supplements simultaneously as Legionella usually do not grow initially on F.G. agar. Legionella species can be identified by their characteristic fluorescence in presence of UV light.					
QC Tests – (I) Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		6.9 ± 0.2			
Colour (post autoclaving/heating) :		Yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 4 days at 35-37°C, under 2.5% CO ₂ .					
MICROORGANISM (ATCC)		GROWTH		FLUORESCENCE UNDER 366 NM	
Legionella pneumophila (33153)		Good to luxuriant		Bright yellow	
Legionella bozemannii (33217)		Good to luxuriant		Blue – white	
Legionella micdadei (33218)		Good to luxuriant		None	
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 :					
B1034: For isolation and presumptive identification of Legionella species.					
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
B1034	40g/l	12.5L	6.9 ± 0.2	Legionella Supplement (BF026).	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 BIOMARK LABORATORIES publications.

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