

TECHNICAL SHEET

B1099	EUGONIC BROTH				
Formula					
Ingredients:		gms/lit.			
Casein enzymic hydrolysate	15.00				
Papaic digest of soyabean meal	5.00				
Dextrose	5.00				
Sodium chloride	4.00				
Sodium sulphite	0.20				
L-Cystine	0.20				
Final pH (at 25°C): 7.0 ± 0.2					
Directions:					
Suspend 29.4 grams in 1000 ml purified / distilled water. Heat, if necessary, with frequent stirring to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 40-45°C and add 5 -10% v/v sterile defibrinated blood if desired. The blood may be chocolate by heating.					
Principle:					
Eugonic Broth was formulated by vera t obtain eugonic (luxuriant) cultures of many organisms including Haemophilus, Neisseria, Francisella, Brucella and Lactobacilli which are otherwise difficult to cultivate. It can be used with or without enrichments. The unenriched media support rapid growth of Lactobacilli from cured meat products, dairy products and other foods. Casein enzymic hydrolysate, papaic digest of soyabean meal, L- cystine, dextrose supports the growth of fastidious microbial species. Eugonic Broth can be supplemented with 0.1% starch, prior to sterilization.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.0 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow			
	Clarity (post autoclaving/heating) :	Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added 5-10%v/v sterile defibrinated blood after an incubation at 35-37°C for 48 hours (fungal cultures incubated at 25-30°C).					
	MICROORGANISM (ATCC)	GROWTH			
	Streptococcus pneumoniae (6303)	Luxuriant (under 3-5% CO2)			
	Streptococcus pyogenes (19615)	Luxuriant (under 3-5% CO2)			
	Brucella abortus (4315)	Good (under 3-5% CO2)			
	Neisseria meningitidis (13090)	Good			
	Lactobacillus fermentum (9338)	Good			
	Candida albicans (26790)	Good			
	Bacillus pumilus (14884)	Good (with 0.1% starch)			
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 :	Recommended for the cultivation of fastidious microorganisms like Haemophilus, Neisseria, Pasteurella, Brucella and Lactobacillus 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
B1099	29.4g/l	17.007 lit	7.0 ± 0.2	Nil	121°C/15 min

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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