

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B914	ACID BROTH					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Yeast extract		7.50				
Invert sugar		10.00				
Final pH (at 25°C) : 4.0 ± 0.2						
Directions :						
Suspend 27.5 gms. in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Distribute into tubes or flasks. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Acid Broth contains an invert sugar which is a mixture of 50% glucose and 50% fructose obtained by the hydrolysis of sucrose. It is included in the medium to prevent the loss of water from the medium and also the acid tolerant bacteria utilize it. Peptic digest of animal tissue and yeast extract provide the nitrogenous nutrients including the amino acids to the microorganisms.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		4.0 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after upto 5 days at 30°C.						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus acidophilus (4356)		Good to luxuriant				
Leuconostoc mesenteroides (12291)		Good to luxuriant				
Bacillus coagulans (8038)		Good to luxuriant				
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 :		For the isolation of acid tolerant bacteria from canned foods.				
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
B914	27.50 g/l	18.18 L		4.0 ± 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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