

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B908		APT BROTH				
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		12.50				
Yeast extract		7.50				
Dextrose		10.00				
Sodium citrate		5.00				
Sodium chloride		5.00				
Dipotassium phosphate		5.00				
Magnesium sulphate		0.80				
Manganese chloride		0.14				
Ferrous sulphate		0.04				
Polysorbate 80		0.20				
Thiamine hydrochloride		0.001				
Final pH (at 25°C) : 6.7 ± 0.2						
Directions :						
Suspend 46.2 gms in 1000ml. distilled water .Boil to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes.						
Principle :						
Although these media were devised for Lactobacilli, they are rich due to nutrients like casein enzymic hydrolysate, yeast extract, dextrose, polysorbate 80 and hence can support growth of commensal microflora including coliform bacteria. The metallic salts are essential for the replication of Lactobacilli or lactic Streptococci. Polysorbate 80 acts as fatty acid source.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		6.7 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus viridescens (12706)		Good – luxuriant				
Lactobacillus acidophilus (4356)		Good – luxuriant				
Leuconostoc mesenteroides (12291)		Good – 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 cultivation of organisms requiring a high thiamine content and heterofermentative Lactobacilli.						
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
B908		46.20 g/l	10.82 L	6.7±0.2	None	121°C/15 min.