TECHNICAL SHEET

B907	**APT AGAR**
Formula	**B907**
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
Agar	15.00
Final pH (at 25°C) : 6.7 ± 0.2	

Directions :

Suspend 61.18 grams in 1000 ml purified/distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. AVOID EXCESSIVE HEATING. Cool to 45-50°C. Mix well and pour into sterile Petri plates or tubes or as desired.

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 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		
	Leuconostocmesenteroides (12291)	Good – luxuriant		
	Lactobacillus casei(9595)	Good – luxuriant		
	Lactobacillus plantarum (8014)	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.It requires a settling period before pH testing of the prepared medium. If the pH is tested immediately after preparation and is out of specification, retest the medium after 24 hours to obtain the specified pH.
Use :	For cultivation of heterofermentative Lactobacilli and other organisms requiring a high thiamine content.
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
B907	61.18 g/l	08.173 L	6.7 ±0.2	None	121^{0}C/15 min.

Refer disclaimer Overleaf

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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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