B1229	MODIFIED LACTOBACILLUS AGAR

Formula

Ingredients :	gms/lit.
Yeast extract	5.00
Glucose	5.00
Casein enzymic hydrolysate	5.00
Monopotassium phosphate	0.50
Dipotassium phosphate	0.50
Magnesium sulphate	0.30
Ferrous sulphate	0.10
Sodium chloride	0.05
Manganese sulphate	0.10
Copper sulphate	0.01
Zinc sulphate	0.01
Cobalt sulphate	0.01
Agar	15.00

Final pH (at 25°C) : 6.0 ± 0.2

Directions :

Suspend 31.58 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle :

Casein enzymic hydrolysate supply nitrogenous and carbonaceous sources. Yeast extract provides vitamin B complex and dextrose is the fermentable carbohydrate and energy source. The phosphate provide buffering action and sodium chloride maintains osmotic balance.

QC Tests – (I)Dehydrated Medium	
Colour :	Cream to yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	6.0 ± 0.2
Colour (post autoclaving/heating) :	Yellow
Clarity (post autoclaving/heating) :	clear to slightly opalescent with slight suspended particles

(III)Q.C. Test Microbiological

Cultural characteristics observed in presence of Carbon dioxide (CO_2)after an incubation at 35- 37°C for 48 hours.

MICROORGANISM (ATCC)	GROWTH
Lactobacillus acidophilus (4356)	Luxuriant
Lactobacillus plantarum (8014)	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 :	It is recommended for isolation and enumeration of 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
B1229	31.58 g/l	15.832 L	6.0 ± 0.2	Nil	121^0C / 15minutes

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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