

TECHNICAL SHEET

B757	LACTOBACILLUS SELECTION OXGALL AGAR BASE (LBS OXGALL AGAR)					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		10.00				
Yeast extract		5.00				
Dextrose		20.00				
Sodium acetate		25.00				
Monopotassium hydrogen phosphate		6.00				
Ammonium citrate		2.00				
Oxgall		1.50				
Polysorbate 80		1.00				
Magnesium sulphate		0.575				
Ferrous sulphate		0.034				
Manganese sulphate		0.12				
Agar		15.00				
Final pH (at 25°C) : 5.5 ± 0.2						
Directions :						
Suspend 86.2 gms. in 1000ml. distilled water containing 1.32 ml glacial acetic acid. Heat to boiling with stirring to dissolve the medium completely. Boil for 2-3 minutes. DO NOT AUTOCLAVE. If storage is necessary sterilize by autoclaving at 10 lbs pressure (115 °C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate, yeast extract and dextrose serve as carbon and nitrogen sources. Polysorbate 80 is the source of growth factor; it supplies fatty acids required for metabolism of Lactobacilli. Ammonium citrate, sodium acetate and oxgall inhibit growth of many organisms including the Streptococci and moulds. The acetic acid addition makes the pH low which is beneficial for Lactobacilli.						
QC Tests – (I) Dehydrated Medium						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		5.5 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 48 hrs. at 35-37°C, in presence of CO ₂ .						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus acidophilus (4356)		Luxuriant				
Lactobacillus plantarum (8014)		Luxuriant				
Escherichia coli (25922)		Inhibited				
Staphylococcus aureus (25923)		Inhibited				
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 selective isolation, cultivation and enumeration of Lactobacilli.						
Storage :						
Dehydrated medium and prepared medium– Between 2 to 8°C.						
Packing :						
500 gm bottle						
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B757		86.2g/l	9.28 lit	5.5 ± 0.2	glacial acetic acid	DO NOT AUTOCLAVE

Refer disclaimer Overleaf

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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