

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B653		LACTOBACILLUS SELECTION BROTH BASE				
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		10.00				
Yeast extract		5.00				
Glucose		20.00				
Sodium acetate		25.00				
Monopotassium hydrogen phosphate		6.00				
Ammonium citrate		2.00				
Polysorbate 80		1.00				
Magnesium sulphate		0.575				
Manganese sulphate		0.12				
Ferrous sulphate		0.34				
Final pH (at 25°C) :		5.4± 0.2				
Directions :						
Suspend 69.7 gms in 1000ml. distilled water containing 1.32ml.glacial acetic acid. Heat with frequent stirring. Boil for 1-2 minutes to dissolve the medium completely. DO NOT AUTOCLAVE. If storage is necessary, autoclave at 12 lbspresure (118°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate, Yeast extract and Glucose are the nitrogen and carbon source. Polysorbate 80 provides fatty acids required for the metabolism of Lactobacilli. Ammonium citrate and sodium acetate inhibit many organisms, including Streptococci, moulds and also restrict the swarming. Addition of acetic acid lowers the pH which is inhibitory to many microorganisms but favors the growth of Lactobacilli.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		5.4 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow to 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				
Lactobacillus casei (9595)		Luxuriant				
Enterococcus faecalis (29212)		Inhibited				
Proteus vulgaris (13315)		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 from foods.				
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
B653		69.7g/l	7.17 lit	5.4 ± 0.2	Glacial acetic acid.	DO NOT AUTO CLAVE.

BIOMARK Laboratories-INDIA
www.biomarklabs.com
TECHNICAL SHEET

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.