

TECHNICAL SHEET

B547	GLUCOSE YEAST EXTRACT ACETATE BROTH				
Formula					
Ingredients :					
		gms/lit.			
Sodium acetate		10.00			
Peptic digest of animal tissue		10.00			
Yeast extract		10.00			
Dextrose		10.00			
Dipotassium phosphate		0.25			
Monopotassium phosphate		0.25			
Magnesium sulphate		0.10			
Ferrous sulphate		0.005			
Manganese sulphate		0.005			
Sodium chloride		0.005			
Final pH (at 25°C) : 6.9 ± 0.2					
Directions :					
Suspend 40.61 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
It contains a variety of salts like sulphates, phosphates to support the growth of Lactobacilli . Necessary nitrogenous nutrients for Lactobacilli are provided by peptic digest of animal tissue and yeast extract. Glucose is the source of fermentable carbohydrate. The metallic salts are sources of ions essential for the replication of lactic acid bacteria. Sodium acetate inhibits Streptococci, moulds and many other organisms.					
QC Tests – (I)Dehydrated Medium					
Colour :					Cream to yellow
Appearance :					Homogeneous Free Flowing powder
(II)Rehydrated medium					
pH (post autoclaving/heating) :					6.9 ± 0.2
Colour (post autoclaving/heating) :					Light yellow
Clarity (post autoclaving/heating) :					Clear
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 24 –48 hrs. at 35-37°C.					
MICROORGANISM (ATCC)					GROWTH
Lactobacillus acidophilus (4356)					Luxuriant
Lactobacillus bulgaricus (11842)					Luxuriant
Lactobacillus casei (9595)					Luxuriant
Lactobacillus leichmannii (4797)					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 used for cultivation 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
B547	40.61g/l	12.31 L	6.9 ± 0.2	nil	118°C / 15 minutes

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.

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.