

TECHNICAL SHEET

B548	GLUCOSE YEAST EXTRACT AGAR					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		5.00				
Yeast extract		5.00				
Glucose		2.00				
Monopotassium phosphate		0.50				
Dipotassium phosphate		0.50				
Magnesium sulphate		0.30				
Sodium chloride		0.01				
Managanese sulphate		0.01				
Zinc sulphate		0.0016				
Copper sulphate		0.0016				
Cobalt sulphate		0.0016				
Agar		15.00				
Final pH (at 25°C) : Self						
Directions :						
Suspend 28.32 gms in 1000 ml distilled water. Boil to dissolve the medium completely. 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. Agar acts as solidifying agent.						
QC Tests - (I) Dehydrated Medium						
	Colour :	Cream to beige				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	PH (post autoclaving/heating) :	Self				
	Colour (post autoclaving/heating) :	Cream to yellow				
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 -48 hrs. at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH				
	Lactobacillus casei (9595)	Good -Luxuriant				
	Lactobacillus bulgaricus (11842)	Good -Luxuriant				
	Lactobacillus acidophilus (4356)	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.				
Use :		For cultivation of Lactobacilli in pharmaceutical preparations.				
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
B548		28.32g/l	17.655L	<u>self</u>	nil	121°C / 15 minutes

Refer disclaimer Overleaf

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.