

TECHNICAL SHEET

B468	PNY MEDIUM				
Formula					
Ingredients :			gms/lit.		
Peptic digest of animal tissue			5.00		
Yeast extract			5.00		
Dextrose			5.00		
Monopotassium phosphate			0.50		
Dipotassium phosphate			0.50		
Magnesium sulphate			0.25		
Manganese sulphate			0.01		
Ferrous sulphate			0.01		
Sodium chloride			0.01		
Zinc sulphate			0.001		
Copper sulphate			0.001		
Cobalt sulphate			0.001		
Agar			15.00		
Final pH (at 25°C) : 6.0 ± 0.2					
Directions :					
Suspend 31.28 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. Mix well and pour in sterile Petri plates.					
Principle :					
Peptic digest of animal tissue and yeast extract provide amino acids, other nitrogenous nutrients, vitamin B complex etc. Dextrose is the fermentable carbohydrate. The phosphates form buffering system while sodium chloride maintains osmotic equilibrium. Other salts supply essential nutrients for the growth of the organisms.					
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) :	Light yellow				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs at 35 - 37°C in presence of 3-5% CO ₂ .					
MICROORGANISM (ATCC)			GROWTH		
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 isolation & cultivation of Lactobacillus species.				
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
B468	31.28 g/l	15.98 L	6.0 ± 0.2	NIL	121°C / 15 minutes

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.