

B664	PANTOTHENATE INOCULUM BROTH				
Formula					
Ingredients :		gms/lit.			
Peptonized milk		15.00			
Yeast extract		5.00			
Dextrose		10.00			
Monopotassium phosphate		2.00			
Tomato juice (100 ml)		5.00			
Polysorbate 80		1.00			
Final pH (at 25°C) :		6.8 ± 0.2			
Directions :					
Suspend 38 gms. in 1000ml. distilled water. Boil to dissolve the medium completely. Distribute in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Peptonized milk contains lactose which serves as the energy source for Lactobacilli. Dextrose serves as the fermentable carbohydrate and / or energy source. Yeast extract and peptone (of peptonized milk) provide vitamin B complex, nitrogenous compounds and trace ingredients for the growth. Tomato juice provides an acid environment in this medium resulting in inhibition of microorganisms other than acidophilic bacteria. Polysorbate 80 supplies fatty acids required for the metabolism of Lactobacilli.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Light to medium yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	PH (post autoclaving/heating) :	6.8 ± 0.2			
	Colour (post autoclaving/heating) :	Medium amber			
	Clarity (post autoclaving/heating) :	Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs. at 35-37°C.					
	MICROORGANISM (ATCC)	GROWTH			
	Lactobacillus casei (9595)	Luxuriant			
	Lactobacillus leichmanni (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 :	For preparation of inoculum used in microbiological assay of Pantothenic acid or its salts.				
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
B664	38g/l	13.157L	6.8 ± 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 BIOMARK LABORATORIES 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.