

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B673	Phenol Red Arabinose Broth			
Formula				
Ingredients :		gms/lit.		
Proteose peptone		10.00		
Meat extract B#		1.00		
Sodium chloride		5.00		
Phenol red		0.018		
Arabinose		5.00		
#- Equivalent to Beef extract				
Final pH (at 25°C) : 7.4 ± 0.2				
Directions :				
Suspend 21gms. in 1000 ml. distilled water Heat to dissolve the medium completely. Dispense in tubes containing inverted Durham's tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.				
Principle :				
Proteose Peptone and Maet extract B provide the carbon and nitrogen sources required for good growth of a wide variety of organisms. Sodium Chloride maintains the osmotic balance of the medium. Phenol Red serves as an indicator, turning from red - orange to yellow when acid is produced during fermentation of the added carbohydrate.				
QC Tests - (I) Dehydrated Medium				
Colour :		Pink		
Appearance :		Homogeneous Free Flowing powder		
(II) Rehydrated medium				
pH (post autoclaving/heating) :		7.4 ± 0.2		
Colour (post autoclaving/heating) :		Red to orange red		
Clarity (post autoclaving/heating) :		Clear		
(III) Q.C. Test Microbiological				
Cultural characteristics observed after 18 - 24 hrs. at 35 -37°C.				
MICROORGANISM (ATCC)		GROWTH	ACID	GAS
Citrobacterfreundii (8090)		Luxuriant	+	+
Enterobacteraerogenes (13048)		Luxuriant	+	+
Escherichia coli (25922)		Luxuriant	+	+
Klebsiellapneumoniae (13883)		Luxuriant	+	+
Proteus vulgaris (13315)		Luxuriant	+	+
Salmonella typhimurium (14028)		Luxuriant	-	-
Salmonella typhi (6539)		Luxuriant	-	-
Serratiamarcescens (8100)		Luxuriant	-	-
Shigellaflexneri (12022)		Luxuriant	-	-
Key : - = negative reaction, no colour change or red. + = positive reaction, yellow colour				
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. 2. The addition of some carbohydrates to the basal medium may cause an acid reaction. To restore the original pH (and colour of the medium), add 0.1 N sodium hydroxide on a drop - by - drop basis. Take care not to make the medium too alkaline, which would prevent fermentation from occurring within the usual incubation period. 3. To ensure accuracy of interpretation, uninoculated control tubes and/or inoculated Phenol Red Broth Base control tubes should be run in parallel with the fermentation tests.		
		Refer disclaimer Overleaf		

BIOMARK Laboratories-INDIAwww.biomarklabs.com**TECHNICAL SHEET**

Use :	B673: For Arabinose fermentation studies of microorganisms.				
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
B673	21.00 g/l	23.80 L	7.4 ± 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.

BIOMARK Laboratories-INDIA
www.biomarklabs.com
TECHNICAL SHEET