

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B1253	RHAMNOSE BROTH				
Formula					
Ingredients :			gms/lit.		
Meat extract			1.00		
Meat peptone			10.00		
Sodium chloride			5.00		
Bromo cresol purple			0.02		
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 16.02 grams in 1000 ml distilled water. Heat if necessary 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. Aseptically add filter sterilized rhamnose solution (final concentration of 1%) to sterile media.					
Principle :					
Meat extract and Meat Peptone provides essential growth nutrients for bacterial metabolism. Bromo cresol purple acts as pH indicator which turns yellow under acidic condition. Sodium chloride maintains osmotic equilibrium.					
QC Tests - (I) Dehydrated Medium					
Colour :		Light yellow to bluish grey			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		6.8 ± 0.2			
Colour (post autoclaving/heating) :		Purple			
Clarity (post autoclaving/heating) :		clear solution in tube			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 – 24 hrs. at 35-37°C, in an anaerobic atmosphere.					
MICROORGANISM (ATCC)	GROWTH	ACID	GAS		
Listeria grayi (19120)	luxuriant	Positive reaction, yellow colour	Negative reaction		
Listeria innocua (33090)	luxuriant	Positive reaction, yellow colour	Negative reaction		
Listeria ivanovii(19119)	luxuriant	Negative reaction, no colour change	Negative reaction		
Listeria monocytogenes (19111)	luxuriant	Positive reaction, yellow colour	Negative reaction		
Listeria monocytogenes (191112)	luxuriant	Positive reaction, yellow colour	Negative reaction		
Listeria seeligeri (35967)	luxuriant	Negative reaction, no colour change	Negative reaction		
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 recommended for demonstration of rhamnose fermentation (Listeria monocytogenes).				
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
B1253	16.02 g/l	31.21 L	6.8 ± 0.2	filter sterilized rhamnose solution	121°C/15 min.

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.