

TECHNICAL SHEET

B843	ASPARAGINE GELATIN LACTATE MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Asparagine		1.00				
Dipotassium phosphate		0.50				
Magnesium sulphate		1.00				
Ferric ammonium sulphate		0.001				
Gelatin		150.00				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 152.5 grams in 1000 ml distilled water. Add 5 grams of sodium lactate. Heat to boiling to dissolve the medium completely. Dispense in flasks or tubes, sterilize by autoclaving at 116°C for 15 minutes.						
Principle :						
The bulk of soil sulphur is in the organic form which is metabolized by soil microorganisms to make it available in an inorganic state for plant nutrition. Asparagine is the nitrogen source and is readily available for microbial energy and growth while the salts in medium help for growth of microorganisms. Gelatin acts as solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :		Off-white to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed upto 7 days at 25- 30°C.						
MICROORGANISM (ATCC)		GROWTH				
Desulfovibrio desulfuricans (135415)		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 :		It is used for the isolation of sulphur bacteria.				
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
B843	152.50 g/l	3.28 L		7.0 ± 0.2	Sodium Lactate	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.