

TECHNICAL SHEET

B1500	ACETAMIDE BROTH (TWIN PACK)					
Formula						
Ingredients:			gms/lit.			
Part A						
Acetamide			2.00			
Part B						
Sodium chloride			0.20			
Potassium dihydrogen phosphate			1.00			
Magnesium sulphate anhydrous			0.20			
Iron sulphate			0.0005			
Sodium molybdate			0.005			
Final pH (at 25°C): 7.0 ± 0.5						
Directions:						
Suspend 1.4 gms. of Part B in 1000 ml distilled water. Add 2 gms of Part A. Heat to boiling to dissolve the medium completely. Dispense in tubes or as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle:						
Acetamide in the medium serves as a sole source of nitrogen and carbon. Magnesium sulphate, sodium molybdate and iron sulphate are the sources of ions that stimulate metabolism. Phosphate serves as a buffering agent. Production of ammonia from acetamide can be detected by the addition of Nessler's reagent						
QC Tests - (I) Dehydrated Medium						
Colour :		Part A : Colourless deliquescent crystals Part B : Off white to white				
Appearance :		Part A & B : Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Colourless				
Clarity (post autoclaving/heating) :		clear solution				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		GROWTH		DEAMINATION		
Pseudomonas aeruginosa 27853)		Good -luxuriant		positive, yellow to brick red colour formation on addition of Nessler's reagent		
Stenotrophomonas maltophilia (13637)		Good -luxuriant		negative, no colour formation on addition of Nessler's reagent		
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 confirmation of non-fermentative gram-negative bacteria, particularly Pseudomonas aeruginosa as per International Organization for Standardization (ISO), 2006, Draft ISO/DIS, 16266				
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
B1500		1.40 g/l part A 2.00 g/l part B	294.11 L	7.0 ± 0.2	Nil	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.