

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 (Nessler's reagent is prepared by dissolving mercuric chloride 10 gm, potassium iodide 7 gm & Sodium hydroxide 16 gm in ammonia free 100 ml water).						
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-below30°C Prepared medium- Between 2 to 8°C.				
Packing :		500/100 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	147.05 L 29.41L	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.

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