

TECHNICAL SHEET

B1405	ACETAMIDE MEDIUM (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 ± 0.2			
Directions :						
Suspend 1.4 grams of part B in 1000 ml distilled water. Add 2 grams of Part A. Heat if necessary 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.						
QC Tests – (I)Dehydrated Medium						
	Colour :	Part A) Colourless Part B) Off white to white				
	Appearance :	Part A) deliquescent crystals Part 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 18-24 hours at 35-37°C.					
	MICROORGANISM (ATCC)	GROWTH	DEAMINATION			
	Pseudomonas aeruginosa (27853)	Good –luxuriant	Positive, Yellow to brick red colour formation on addition of Nessler's reagent			
	Pseudomonas 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 detection of Pseudomonas aeruginosa in water samples as per ISO : 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
B1405		3.40 g/l (part A+B)	147.06L (part A+B)	7.0 ±0.2	None	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.