

## TECHNICAL SHEET

<b>B1405</b>	<b>ACETAMIDE MEDIUM (TWIN PACK)</b>				
<b>Formula</b>					
<b>Ingredients :</b>			<b>gms/lit.</b>		
<b>Part A :</b>					
Acetamide			2.00		
<b>Part B :</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		
<b>Directions :</b>					
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.					
<b>Principle :</b>					
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.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :		Part A) Colourless Part B) Off white to white			
Appearance :		Part A) deliquescent crystals Part B) Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Colourless			
Clarity (post autoclaving/heating) :		clear solution			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18-24 hours at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH	DEAMINATION		
Pseudomonas aeruginosa (27853)		Good –luxuriant	+		
Pseudomonas maltophilia (13637)		Good –luxuriant	-		
Key : + = Yellow to brick red colour formation on addition of Nessler's reagent - = No colour formation on addition of Nessler's reagent					
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.			
<b>Use :</b>		For detection of Pseudomonas aeruginosa in water samples as per ISO : 16266			
<b>Storage :</b>		Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.			
<b>Packing :</b>		500 gm. bottle			
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement Sterilization
<b>B1405</b>	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.

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