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^{0}C/15 min.

Rev: January 2025