B1134	**ACETAMIDE NUTRIENT BROTH (TWIN PACK)**
Formula	
Ingredient:	**gms/lit.**
Part A: Magnesium sulphate0.158 Sodium chloride Sodium molybdate0.005 Ferrous sulphate0.0005 Dipotassium hydrogen phosphate **Part B**: Acetamide	 0.20 0.20 2.00
Final pH (at 25°C:	7.0± 0.2
Directions :	
Suspend 0.56 grams of Part A in 1000 ml distilled water. Add 2 grams of Part B. 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 Nutrient Broth contains various inorganic salts and acetamide as sources of carbon and nitrogen. Organisms growing in this medium metabolize acetamide, thereby liberating ammonia. This liberated ammonia can be detected by Nesslers reagent, which confirms Pseudomonas aeruginosa. Magnesium sulphate, ferrous sulphate and sodium molybdate are sources of ions that stimulate metabolism. Sodium chloride maintains osmotic equilibrium. Dipotassium hydrogen phosphate provides buffering to the medium.	

QC Tests – (I)Dehydrated Medium				
	Colour :	Part A) White to cream Part B) White to cream		
	Appearance :	Part A)Homogeneous Free Flowing powder Part B)deliquescent crystals		
(II)Rehydrated medium				
	pH (post autoclaving/heating) :	7.0 ± 0.2		
	Colour (post autoclaving/heating) :	Colourless		
	Clarity (post autoclaving/heating) :	clear solution in tubes with slight precipitate		
(III)Q.C. Test Microbiological				
	Cultural characteristics observed after 4-7 days at 35-37°C.			
	MICROORGANISM (ATCC)	GROWTH	DEAMINATION	
	Pseudomonas aeruginosa 27853)	Good –luxuriant	+	
	Pseudomonas maltophilia (13637)	Good –luxuriant	-	
	Key : + = yellow colour on addition of 1-2 drops Nesslersreagent after incubation indicates presence of ammonia - = negative no colour change on addition of 1-2 drops Nesslers reagent after incubation indicates absence of ammonia			

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 :	It is used for the detection of microbial utilization of acetamide.
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
B1134	2.56 g/l (partA+B)	195.31 L (partA+B)	7.0 ±0.2	None	121^0C/15 min.

Refer disclaimer overleaf

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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