

**TECHNICAL SHEET**

<b>B1239</b>	<b>NZ AMINE A BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein acid hydrolysate		1.00				
NZ Amine A		10.00				
Sodium chloride		5.00				
Magnesium chloride		2.00				
Final pH (at 25°C) : Self						
<b>Directions :</b>						
Suspend 18 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.						
<b>Principle :</b>						
Casein acid hydrolysate and NZ Amine A provide necessary nutrients and cofactors required for the growth of E. coli . Sodium chloride helps to maintain the osmotic balance whereas magnesium ions serves as immediate activator required for a number of enzymatic reactions, including DNA replication of the cell.						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		Light to medium amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent gel				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (23724)		good-luxuriant				
Escherichia coli (53868)		good-luxuriant				
<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>		It is used for the cultivation of Escherichia coli .				
<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>B1239</b>		18.0 g/l	27.77 L	Self	NIL	121°C / 15 minutes

**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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