

## MEMα nucleosides Liquid Medium Formula

Components	Concentration (mg/L)
<b>Amino Acids</b>	
Glycine	50
L-Alanine	25
L-Arginine hydrochloride	105
L-Asparagine-H <sub>2</sub> O	50
L-Aspartic acid	30
L-Cysteine hydrochloride-H <sub>2</sub> O	100
L-Cystine 2HCl	31
L-Glutamic Acid	75
L-Glutamine	292
L-Histidine	31
L-Isoleucine	52.4
L-Leucine	52
L-Lysine	73
L-Methionine	15
L-Phenylalanine	32
L-Proline	40
L-Serine	25
L-Threonine	48
L-Tryptophan	10
L-Tyrosine disodium salt	52
L-Valine	46
<b>Vitamins</b>	
Ascorbic Acid	50
Biotin	0.1
Choline chloride	1
D-Calcium pantothenate	1
Folic Acid	1
Niacinamide	1
Pyridoxal hydrochloride	1
Riboflavin	0.1
Thiamine hydrochloride	1
Vitamin B12	1.36
i-Inositol	2
<b>Inorganic Salts</b>	
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67

Potassium Chloride (KCl)	400
Sodium Bicarbonate (NaHCO <sub>3</sub> )	2200
Sodium Chloride (NaCl)	6800
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O)	140
<b>Ribonucleosides</b>	
Adenosine	10
Cytidine	10
Guanosine	10
Uridine	10
<b>Deoxyribonucleosides</b>	
2'Deoxyadenosine	10
2'Deoxyctidine HCl	11
2'Deoxyguanosine	10
Thymidine	10
<b>Other Components</b>	
D-Glucose (Dextrose)	1000
Lipoic Acid	0.2
Phenol Red	10
Sodium Pyruvate	110