



# Media Formulation

## MEM Alpha Powder

Cat. No.: CC135-1000

Components	Concentration (mg/L)
<b>Amino Acids</b>	
Glycine	50.0
L-Alanine	25.0
L-Arginine	105.0
L-Asparagine-H <sub>2</sub> O	50.0
L-Aspartic acid	30.0
L-Cysteine hydrochloride-H <sub>2</sub> O	100.0
L- Cystine 2HCl	24.0
L-Glutamic Acid	75.0
L-Glutamine	292.0
L-Histidine	31.0
L-Isoleucine	52.4
L-Leucine	52.4
L-Lysine	58.0
L-Methionine	15.0
L-Phenylalanine	32.0
L-Proline	40.0
L-Serine	25.0
L-Threonine	48.0
L-Tryptophan	10.0
L-Tyrosine disodium salt	52.0
L-Valine	46.0
<b>Vitamins</b>	
Ascorbic Acid	50.0
Biotin	0.1
D-Calcium pantothenate	1.0

Components	Concentration (mg/L)
Choline chloride	1.0
Folic Acid	1.0
Niacinamide	1.0
Pyridoxal hydrochloride	1.0
Riboflavin	0.1
Thiamine hydrochloride	1.0
Vitamin B12	1.36
i-Inositol	2.0
<b>Inorganic Salts</b>	
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200.0
Magnesium Sulfate (MgSO <sub>4</sub> )(anhyd.)	97.67
Potassium Chloride (KCl)	400.0
Sodium Chloride (NaCl)	6800.0
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O)	140.0
<b>Other Components</b>	
D-Glucose (Dextrose)	1000.0
Lipoic Acid	0.2
Phenol Red	10.0
Sodium Pyruvate	110.0