

## MEM Medium Formula

Components	Concentration (mg/L)
<b>Amino Acids</b>	
L-Arginine hydrochloride	126.64
L-Cystine 2HCl	31
L-Glutamine	292
L-Histidine hydrochloride-H <sub>2</sub> O	42
L-Isoleucine	52
L-Leucine	52
L-Lysine hydrochloride	72.5
L-Methionine	15
L-Phenylalanine	32
L-Threonine	48
L-Tryptophan	10
L-Tyrosine disodium salt	52
L-Valine	46
<b>Vitamins</b>	
Choline chloride	1
D-Calcium pantothenate	1
Folic Acid	1
Niacinamide	1
Pyridoxal hydrochloride	1
Riboflavin	0.1
Thiamine hydrochloride	1
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 Chloride (NaCl)	6800
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O)	140
<b>Other Components</b>	
D-Glucose (Dextrose)	1000
Phenol Red	10