




# Comparative Formulation

## Neuronal Cell Culture Media

 Powdered Media	NMP04
Amino Acids	mg/L
Glycine	30.0000
L-Alanine	2.0000
L-Asparagine, Monohydrate	0.8300
L-Cysteine, Hydrochloride, Monohydrate	45.6600
L-Histidine, Hydrochloride, Monohydrate	42.0000
L-Isoleucine	105.0000
L-Leucine	105.0000
L-Methionine	30.0000
L-Phenylalanine	66.0000
L-Proline	7.7600
L-Serine	42.0000
L-Threonine	95.0000
L-Tryptophan	16.0000
L-Tyrosine, Disodium, Dihydrate	103.7900
L-Valine	94.0000



## Powdered Media

NMP04

### Inorganic Salts

mg/L

Calcium Chloride, Anhydrous	200.0000
Ferric Nitrate, Nonahydrate	0.1000
Magnesium Chloride, Anhydrous	77.3000
Potassium Chloride	400.0000
Sodium Chloride	3000.0000
Sodium Phosphate, Monobasic, Monohydrate	125.0000
Zinc Sulfate, Heptahydrate	0.1940

### Other Components

mg/L

D-Glucose, Anhydrous	4500.0000
HEPES	2600.0000
Pyruvic Acid, Sodium Salt	25.0000

### Vitamins

mg/L

Choline Chloride	4.0000
D-Calcium Pantothenate	4.0000
Folic Acid	4.0020
Myo-Inositol	7.2000
Niacinamide	4.0000
Pyridoxal, Hydrochloride	4.0000
Riboflavin	0.4002
Thiamine, Hydrochloride	4.0000
Vitamin B12	0.0068



## Liquid Media

NML01

NML03

### Amino Acids

mg/L

mg/L

Glycine	30.0000	30.0000
L-Alanine	2.0000	2.0000
L-Arginine, Hydrochloride	84.0000	
L-Asparagine, Monohydrate	0.8300	0.8300
L-Cysteine, Hydrochloride, Monohydrate	45.6600	45.6600
L-Histidine, Hydrochloride, Monohydrate	42.0000	42.0000
L-Isoleucine	105.0000	105.0000
L-Leucine	105.0000	105.0000
L-Lysine, Hydrochloride	146.0000	
L-Methionine	30.0000	30.0000
L-Phenylalanine	66.0000	66.0000
L-Proline	7.7600	7.7600
L-Serine	42.0000	42.0000
L-Threonine	95.0000	95.0000
L-Tryptophan	16.0000	16.0000
L-Tyrosine, Disodium, Dihydrate	103.7900	103.7900
L-Valine	94.0000	94.0000

### Inorganic Salts

mg/L

mg/L

Calcium Chloride, Anhydrous	200.0000	200.0000
Ferric Nitrate, Nonahydrate	0.1000	0.1000
Magnesium Chloride, Anhydrous	77.3000	77.3000
Potassium Chloride	400.0000	400.0000
Sodium Chloride	3000.0000	3000.0000
Sodium Phosphate, Monobasic, Monohydrate	125.0000	125.0000
Zinc Sulfate, Heptahydrate	0.1940	0.1940

	Liquid Media	NML01	NML03
<b>Other Components</b>		mg/L	mg/L
D-Glucose, Anhydrous		4500.0000	4500.0000
HEPES		2600.0000	2600.0000
Pyruvic Acid, Sodium Salt		25.0000	25.0000
<b>Vitamins</b>		mg/L	mg/L
Choline Chloride		4.0000	4.0000
D-Calcium Pantothenate		4.0000	4.0000
Folic Acid		4.0020	4.0020
Myo-Inositol		7.2000	7.2000
Niacinamide		4.0000	4.0000
Pyridoxal, Hydrochloride		4.0000	4.0000
Riboflavin		0.4002	0.4002
Thiamine, Hydrochloride		4.0000	4.0000
Vitamin B12		0.0068	0.0068