

## Neuronal Basal Medium

### Product Number NMP04-50LT

Without L-Arginine, L-Glutamine, L-Lysine, Phenol Red and Sodium Bicarbonate. Store at 2° to 8°C.

Components	mg/L
Calcium Chloride, Anhydrous (CaCl <sub>2</sub> )	200.0000
Choline Chloride (C <sub>5</sub> H <sub>14</sub> ONCl)	4.0000
D-Calcium Pantothenate (C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub> )	4.0000
D-Glucose, Anhydrous (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	4500.0000
Ferric Nitrate, Nonahydrate (Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O)	0.1000
Folic Acid (C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> )	4.0020
Glycine (C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> )	30.0000
HEPES (C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S)	2600.0000
L-Alanine (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> )	2.0000
L-Asparagine, Monohydrate (C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> · H <sub>2</sub> O)	0.8300
L-Cysteine, Hydrochloride, Monohydrate (C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> · HCl · H <sub>2</sub> O)	45.6600
L-Histidine, Hydrochloride, Monohydrate (C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> · HCl · H <sub>2</sub> O)	42.0000
L-Isoleucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	105.0000
L-Leucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	105.0000
L-Methionine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S)	30.0000
L-Phenylalanine (C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> )	66.0000
L-Proline (C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub> )	7.7600
L-Serine (C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> )	42.0000
L-Threonine (C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> )	95.0000
L-Tryptophan (C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> )	16.0000
L-Tyrosine, Disodium, Dihydrate (C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> ·2H <sub>2</sub> O)	103.7900
L-Valine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> )	94.0000

Magnesium Chloride, Anhydrous (MgCl <sub>2</sub> )	77.3000
Myo-Inositol (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	7.2000
Niacinamide (C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O)	4.0000
Potassium Chloride (KCl)	400.0000
Pyridoxal, Hydrochloride (C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub> · HCl)	4.0000
Pyruvic Acid, Sodium Salt (C <sub>3</sub> H <sub>3</sub> NaO <sub>3</sub> )	25.0000
Riboflavin (C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> )	0.4002
Sodium Chloride (NaCl)	3000.0000
Sodium Phosphate, Monobasic, Monohydrate (NaH <sub>2</sub> PO <sub>4</sub> · H <sub>2</sub> O)	125.0000
Thiamine, Hydrochloride (C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS · HCl)	4.0000
Vitamin B12 (C <sub>63</sub> H <sub>88</sub> CoN <sub>14</sub> O <sub>14</sub> P)	0.0068
Zinc Sulfate, Heptahydrate (ZnSO <sub>4</sub> · 7H <sub>2</sub> O)	0.1940