

Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Dihydrate	10035-04-8	CaCl <sub>2</sub> • 2H <sub>2</sub> O	0.265	265.000	1.802	1.802E+03
Ferric Nitrate Nonahydrate	7782-61-8	Fe(NO <sub>3</sub> ) <sub>3</sub> • 9H <sub>2</sub> O	1.000E-04	0.100	2.475E-04	0.248
Magnesium Sulfate Anhydrous	7487-88-9	MgSO <sub>4</sub>	9.767E-02	97.670	0.811	811.415
Potassium Chloride	7447-40-7	KCl	0.400	400.000	5.366	5.366E+03
Sodium Bicarbonate	144-55-8	NaHCO <sub>3</sub>	2.750	2.750E+03	32.734	3.273E+04
Sodium Phosphate, Dibasic Anhydrous	7558-79-4	Na <sub>2</sub> HPO <sub>4</sub>	0.108	107.800	0.759	759.155
L-Arginine Monohydrochloride	1119-34-2	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> • HCl	4.200E-02	42.000	0.199	199.373
L-Cysteine Monohydrochloride Monohydrate	7048-04-6	C <sub>3</sub> H <sub>7</sub> N <sub>2</sub> O <sub>2</sub> S • HCl • H <sub>2</sub> O	3.129E-02	31.290	0.178	178.189
L-Glutamine	56-85-9	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	0.292	292.000	1.998	1.998E+03
L-Histidine Monohydrochloride Monohydrate	5934-29-2	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> • HCl • H <sub>2</sub> O	2.100E-02	21.000	0.100	100.191
L-Isoleucine	73-32-5	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH(CH <sub>3</sub> )CH <sub>2</sub> CH <sub>3</sub>	5.240E-02	52.400	0.399	399.482
L-Leucine	61-90-5	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	5.240E-02	52.400	0.399	399.482
L-Lysine Monohydrochloride	657-27-2	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> • HCl	7.310E-02	73.100	0.400	400.219
L-Methionine	63-68-3	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH <sub>2</sub> CH <sub>2</sub> SCH <sub>3</sub>	1.500E-02	15.000	0.101	100.536
L-Phenylalanine	63-91-2	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub>	3.300E-02	33.000	0.200	199.770
L-Threonine	72-19-5	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH(OH)CH <sub>3</sub>	4.760E-02	47.600	0.400	399.597
L-Tryptophan	73-22-3	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	8.000E-03	8.000	3.917E-02	39.172
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C <sub>9</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub> Na <sub>2</sub> • 2H <sub>2</sub> O	5.219E-02	52.190	0.200	199.816
L-Valine	72-18-4	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH(CH <sub>3</sub> ) <sub>2</sub>	4.680E-02	46.800	0.400	399.658
Choline Chloride	67-48-1	HOCH <sub>2</sub> CH <sub>2</sub> N(CH <sub>3</sub> ) <sub>3</sub> Cl	2.000E-03	2.000	1.432E-02	14.324
Folic Acid	59-30-3	C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub>	2.000E-03	2.000	4.531E-03	4.531
Inositol	87-89-8	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	3.600E-03	3.600	1.998E-02	19.978
Niacinamide (Nicotinamide)	98-92-0	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O	2.000E-03	2.000	1.638E-02	16.379
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub>	2.000E-03	2.000	4.197E-03	4.197
Pyridoxal hydrochloride	65-22-5	C <sub>8</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub> • HCl	2.000E-03	2.000	9.823E-03	9.823
Riboflavin (Vitamin B2)	83-88-5	C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub>	2.000E-04	0.200	5.314E-04	0.531
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C <sub>12</sub> H <sub>18</sub> N <sub>4</sub> O <sub>4</sub> SCl <sub>2</sub>	2.000E-03	2.000	5.929E-03	5.929
Dextrose	50-99-7	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	4.500	4.500E+03	24.978	2.498E+04
Phenol Red	34487-61-1	C <sub>19</sub> H <sub>14</sub> O <sub>5</sub> S	1.600E-02	16.000	4.251E-02	42.508
Sodium Chloride	7647-14-5	NaCl	6.400	6400.000	109.514	1.095E+05