

MEM Eagle w/ Earle's BSS  
& L-Glutamine

12-611



Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Anhydrous	10043-52-4	CaCl <sub>2</sub>	0.200	200.00	1.80	1.80E+03
Dextrose	50-99-7	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	1.000	1.00E+03	5.55	5.55E+03
Magnesium Sulfate Anhydrous	7487-88-9	MgSO <sub>4</sub>	9.77E-02	97.67	0.811	811.41
Potassium Chloride	7447-40-7	KCl	0.400	400.00	5.37	5.37E+03
Sodium Bicarbonate	144-55-8	NaHCO <sub>3</sub>	2.20	2.20E+03	26.19	2.62E+04
Sodium Chloride	7647-14-5	NaCl	6.80	6.80E+03	116.36	1.16E+05
L-Arginine Monohydrochloride	1119-34-2	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> • HCl	0.127	126.98	0.603	602.77
L-Glutamine	56-85-9	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	0.292	292.00	2.00	2.00E+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	4.20E-02	42.00	0.200	200.38
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>	5.20E-02	52.00	0.396	396.43
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>	5.20E-02	52.00	0.396	396.43
L-Lysine Monohydrochloride	657-27-2	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> • HCl	7.25E-02	72.46	0.397	396.72
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>	1.50E-02	15.00	0.101	100.54
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>	3.20E-02	32.00	0.194	193.72
L-Threonine	72-19-5	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH(OH)CH <sub>3</sub>	4.80E-02	48.00	0.403	402.96
L-Tryptophan	73-22-3	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	1.00E-02	10.00	4.90E-02	48.96
L-Valine	72-18-4	HO <sub>2</sub> CCH(NH <sub>2</sub> )CH(CH <sub>3</sub> ) <sub>2</sub>	4.60E-02	46.00	0.393	392.83
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub>	1.00E-03	1.00	2.10E-03	2.10
Choline Chloride	67-48-1	HOCH <sub>2</sub> CH <sub>2</sub> N(CH <sub>3</sub> ) <sub>3</sub> Cl	1.00E-03	1.00	7.16E-03	7.16
Folic Acid	59-30-3	C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub>	1.00E-03	1.00	2.27E-03	2.27
Inositol	87-89-8	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	2.00E-03	2.00	1.11E-02	11.10
Niacinamide (Nicotinamide)	98-92-0	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O	1.00E-03	1.00	8.19E-03	8.19
Pyridoxine Monohydrochloride	58-56-0	C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub>	1.00E-03	1.00	4.86E-03	4.86
Riboflavin (Vitamin B2)	83-88-5	C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub>	1.00E-04	0.100	2.66E-04	0.27
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C <sub>12</sub> H <sub>18</sub> N <sub>4</sub> OSCl <sub>2</sub>	1.00E-03	1.00	2.96E-03	2.96
Phenol Red	34487-61-1	C <sub>19</sub> H <sub>14</sub> O <sub>5</sub> S	1.00E-02	10.00	2.66E-02	26.57
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> • 2H <sub>2</sub> O	5.19E-02	51.90	0.199	198.71
L-Cystine Dihydrochloride	30925-07-6	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> •2HCl	3.13E-02	31.29	9.99E-02	99.90
Sodium Phosphate Monobasic, Anhydrous	7558-80-7	NaH <sub>2</sub> PO <sub>4</sub>	0.122	121.74	1.01	1.01E+03