

MEM Eagle with Hank's BSS,  
without L-Glutamine

12-127



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	0.186	186.000	1.265	1.265E+03
Dextrose	50-99-7	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	1.000	1.000E+03	5.551	5.551E+03
Magnesium Sulfate Heptahydrate	10034-99-8	MgSO <sub>4</sub> • 7H <sub>2</sub> O	0.200	200.000	0.811	811.458
Potassium Chloride	7447-40-7	KCl	0.400	400.000	5.366	5.366E+03
Potassium Phosphate Monobasic Anhydrous	7778-77-0	KH <sub>2</sub> PO <sub>4</sub>	6.000E-02	60.000	0.441	440.852
Sodium Bicarbonate	144-55-8	NaHCO <sub>3</sub>	0.350	350.000	4.166	4.166E+03
Sodium Chloride	7647-14-5	NaCl	8.000	8.000E+03	136.893	1.369E+05
Sodium Phosphate Dibasic-7-Hydrate	7782-85-6	Na <sub>2</sub> HPO <sub>4</sub> • 7H <sub>2</sub> O	9.000E-02	90.000	0.336	335.733
L-Arginine Monohydrochloride	1119-34-2	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> • HCl	0.126	126.400	0.600	600.019
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	4.200E-02	42.000	0.200	200.382
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	7.300E-02	73.000	0.400	399.672
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>	1.020E-02	10.200	4.994E-02	49.944
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
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub>	1.000E-03	1.000	2.099E-03	2.099
Choline Chloride	67-48-1	HOCH <sub>2</sub> CH <sub>2</sub> N(CH <sub>3</sub> ) <sub>3</sub> Cl	1.000E-03	1.000	7.162E-03	7.162
Folic Acid	59-30-3	C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub>	1.000E-03	1.000	2.266E-03	2.266
I-Inositol	87-89-8	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	2.000E-03	2.000	1.110E-02	11.099
Niacinamide (Nicotinamide)	98-92-0	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O	1.000E-03	1.000	8.189E-03	8.189
Pyridoxine Monohydrochloride	58-56-0	C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub>	1.000E-03	1.000	4.864E-03	4.864
Riboflavin (Vitamin B2)	83-88-5	C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub>	1.000E-04	0.100	2.657E-04	0.266
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C <sub>12</sub> H <sub>18</sub> N <sub>4</sub> O <sub>4</sub> S	1.000E-03	1.000	2.965E-03	2.965
Phenol Red	34487-61-1	C <sub>19</sub> H <sub>14</sub> O <sub>5</sub> S	2.000E-02	20.000	5.313E-02	53.135
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	5.220E-02	52.200	0.200	199.855
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	3.129E-02	31.290	9.990E-02	99.904