

MEM Eagle w/ Earle's BSS w/  
Non-Essential Amino Acids & L-  
Glutamine, w/o Calcium

06-174



Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Dextrose	50-99-7	C6H12O6	1.00	1.000E+03	5.55	5.551E+03
Magnesium Sulfate Heptahydrate	10034-99-8	MgSO4 • 7H2O	0.200	200.00	0.811	811.46
Potassium Chloride	7447-40-7	KCl	0.400	400.00	5.37	5.366E+03
Sodium Bicarbonate	144-55-8	NaHCO3	2.200	2.200E+03	26.19	2.619E+04
Sodium Chloride	7647-14-5	NaCl	6.800	6.800E+03	116.36	1.164E+05
Sodium phosphate monobasic monohydrate	10049-21-5	NaH2PO4 • H2O	0.140	140.00	1.01	1.015E+03
L-Alanine	56-41-7	HO2CCH(NH2)CH3	8.900E-03	8.90	9.990E-02	99.90
L-Arginine Monohydrochloride	1119-34-2	C6H14N4O2 • HCl	0.126	126.40	0.600	600.02
L-Asparagine	70-47-3	C4H8N2O3	1.321E-02	13.21	9.999E-02	99.99
L-Aspartic Acid	56-84-8	HO2CCH(NH2)CH2CO2H	1.330E-02	13.30	9.992E-02	99.92
L-Cystine	56-89-3	C6H12N2O4S2	2.400E-02	24.00	9.988E-02	99.88
L-Glutamic Acid	56-86-0	C5H9NO4	1.470E-02	14.70	9.993E-02	99.93
L-Glutamine	56-85-9	C5H10N2O3	0.292	292.00	2.00	1.998E+03
Glycine	56-40-6	HO2CCH2NH2	7.500E-03	7.50	9.991E-02	99.91
L-Histidine Monohydrochloride Monohydrate	5934-29-2	C6H9N3O2 • HCl • H2O	4.200E-02	42.00	0.200	200.38
L-Isoleucine	73-32-5	HO2CCH(NH2)CH(CH3)CH2CH3	5.240E-02	52.40	0.399	399.48
L-Leucine	61-90-5	HO2CCH(NH2)CH2CH(CH3)2	5.240E-02	52.40	0.399	399.48
L-Lysine Monohydrochloride	657-27-2	C6H14N2O2 • HCl	7.300E-02	73.00	0.400	399.67
L-Methionine	63-68-3	HO2CCH(NH2)CH2CH2SCH3	1.500E-02	15.00	0.101	100.54
L-Phenylalanine	63-91-2	HO2CCH(NH2)CH2C6H5	3.300E-02	33.00	0.200	199.77
L-Proline	147-85-3	C5H9NO2	1.150E-02	11.50	9.989E-02	99.89
L-Serine	56-45-1	HO2CCH(NH2)CH2OH	1.050E-02	10.50	9.991E-02	99.91
L-Threonine	72-19-5	HO2CCH(NH2)CH(OH)CH3	4.760E-02	47.60	0.400	399.60
L-Tryptophan	73-22-3	C11H12N2O2	1.020E-02	10.20	4.994E-02	49.94
L-Tyrosine	60-18-4	C9H11NO3	3.620E-02	36.20	0.200	199.79
L-Valine	72-18-4	HO2CCH(NH2)CH(CH3)2	4.680E-02	46.80	0.400	399.66
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C18H32CaN2O10	1.000E-03	1.00	2.099E-03	2.10
Choline Chloride	67-48-1	HOCH2CH2N(CH3)3Cl	1.000E-03	1.00	7.162E-03	7.16
Folic Acid	59-30-3	C19H19N7O6	1.000E-03	1.00	2.266E-03	2.27
I-Inositol	87-89-8	C6H12O6	2.000E-03	2.00	1.110E-02	11.099
Niacinamide (Nicotinamide)	98-92-0	C6H6N2O	1.000E-03	1.00	8.189E-03	8.19
Pyridoxine Monohydrochloride	58-56-0	C8H11NO3	1.000E-03	1.00	4.864E-03	4.86
Riboflavin (Vitamin B2)	83-88-5	C17H20N4O6	1.000E-04	0.100	2.657E-04	0.27
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C12H18N4OSCl2	1.000E-03	1.00	2.965E-03	2.96
Phenol Red	34487-61-1	C19H14O5S	1.000E-02	10.00	2.657E-02	26.57