

MEM Eagle w/ Earle's BSS,
NEAA & Sodium Pyruvate,
w/o L-Glutamine

12-662



Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Anhydrous	10043-52-4	CaCl ₂	0.200	200.000	1.802	1.802E+03
Dextrose	50-99-7	C ₆ H ₁₂ O ₆	1.000	1.000E+03	5.551	5.551E+03
Magnesium Sulfate Anhydrous	7487-88-9	MgSO ₄	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 ₃	2.200	2.200E+03	26.187	2.619E+04
Sodium Chloride	7647-14-5	NaCl	6.800	6.800E+03	116.359	1.164E+05
L-Alanine	56-41-7	HO ₂ CCH(NH ₂)CH ₃	8.900E-03	8.900	9.990E-02	99.899
L-Arginine Monohydrochloride	1119-34-2	C ₆ H ₁₄ N ₄ O ₂ • HCl	0.127	1.270E+02	0.603	602.772
L-Asparagine	70-47-3	C ₄ H ₈ N ₂ O ₃	1.321E-02	13.210	9.998E-02	99.985
L-Aspartic Acid	56-84-8	HO ₂ CCH(NH ₂)CH ₂ CO ₂ H	1.330E-02	13.300	9.992E-02	99.925
L-Glutamic Acid	56-86-0	C ₅ H ₉ NO ₄	1.470E-02	14.700	9.993E-02	99.932
Glycine	56-40-6	HO ₂ CCH ₂ NH ₂	7.500E-03	7.500	9.991E-02	99.907
L-Histidine Monohydrochloride Monohydrate	5934-29-2	C ₆ H ₉ N ₃ O ₂ • HCl • H ₂ O	4.200E-02	42.000	0.200	200.382
L-Isoleucine	73-32-5	HO ₂ CCH(NH ₂)CH(CH ₃)CH ₂ CH ₃	5.200E-02	52.000	0.396	396.432
L-Leucine	61-90-5	HO ₂ CCH(NH ₂)CH ₂ CH(CH ₃) ₂	5.200E-02	52.000	0.396	396.432
L-Lysine Monohydrochloride	657-27-2	C ₆ H ₁₄ N ₂ O ₂ • HCl	7.246E-02	72.460	0.397	396.715
L-Methionine	63-68-3	HO ₂ CCH(NH ₂)CH ₂ CH ₂ SCH ₃	1.500E-02	15.000	0.101	100.536
L-Phenylalanine	63-91-2	HO ₂ CCH(NH ₂)CH ₂ C ₆ H ₅	3.200E-02	32.000	0.194	193.716
L-Proline	147-85-3	C ₅ H ₉ NO ₂	1.150E-02	11.500	9.989E-02	99.887
L-Serine	56-45-1	HO ₂ CCH(NH ₂)CH ₂ OH	1.050E-02	10.500	9.991E-02	99.914
L-Threonine	72-19-5	HO ₂ CCH(NH ₂)CH(OH)CH ₃	4.800E-02	48.000	0.403	402.955
L-Tryptophan	73-22-3	C ₁₁ H ₁₂ N ₂ O ₂	1.000E-02	10.000	4.896E-02	48.964
L-Valine	72-18-4	HO ₂ CCH(NH ₂)CH(CH ₃) ₂	4.600E-02	46.000	0.393	392.827
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C ₁₈ H ₃₂ CaN ₂ O ₁₀	1.000E-03	1.000	2.099E-03	2.099
Choline Chloride	67-48-1	HOCH ₂ CH ₂ N(CH ₃) ₃ Cl	1.000E-03	1.000	7.162E-03	7.162
Folic Acid	59-30-3	C ₁₉ H ₁₉ N ₇ O ₆	1.000E-03	1.000	2.266E-03	2.266
Inositol	87-89-8	C ₆ H ₁₂ O ₆	2.000E-03	2.000	1.110E-02	11.099
Niacinamide (Nicotinamide)	98-92-0	C ₆ H ₆ N ₂ O	1.000E-03	1.000	8.189E-03	8.189
Pyridoxine Monohydrochloride	58-56-0	C ₈ H ₁₁ NO ₃	1.000E-03	1.000	4.864E-03	4.864
Riboflavin (Vitamin B2)	83-88-5	C ₁₇ H ₂₀ N ₄ O ₆	1.000E-04	0.100	2.657E-04	0.266
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C ₁₂ H ₁₈ N ₄ O ₄ S	1.000E-03	1.000	2.965E-03	2.965
Phenol Red	34487-61-1	C ₁₉ H ₁₄ O ₅ S	1.000E-02	10.000	2.657E-02	26.567
Pyruvic Acid Sodium Salt	113-24-6	CH ₃ COCO ₂ Na	0.110	110.000	1.000	999.636
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C ₉ H ₉ NO ₃ Na ₂ • 2H ₂ O	5.190E-02	51.900	0.199	198.706
L-Cystine Dihydrochloride	30925-07-6	C ₆ H ₁₂ N ₂ O ₄ S ₂ • 2HCl	3.129E-02	31.290	9.990E-02	99.904
Sodium Phosphate Monobasic, Anhydrous	7558-80-7	NaH ₂ PO ₄	0.122	121.740	1.015	1.015E+03