

MEM Alpha Eagle w/ Earle's
BSS 10X,
w/o Sodium Bicarbonate
or L-Glutamine

12-684



Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Anhydrous	10043-52-4	CaCl ₂	2.000	2.000E+03	18.020	1.802E+04
Dextrose	50-99-7	C ₆ H ₁₂ O ₆	10.000	1.000E+04	55.506	5.551E+04
Magnesium Sulfate Anhydrous	7487-88-9	MgSO ₄	0.977	976.700	8.114	8.114E+03
Potassium Chloride	7447-40-7	KCl	4.000	4.000E+03	53.655	5.366E+04
Sodium Chloride	7647-14-5	NaCl	70.200	7.020E+04	1.201E+03	1.201E+06
L-Arginine Monohydrochloride	1119-34-2	C ₆ H ₁₄ N ₄ O ₂ • HCl	1.270	1.270E+03	6.028	6.028E+03
L-Histidine Monohydrochloride Monohydrate	5934-29-2	C ₆ H ₉ N ₃ O ₂ • HCl • H ₂ O	0.420	420.000	2.004	2.004E+03
L-Isoleucine	73-32-5	HO ₂ CCH(NH ₂)CH(CH ₃)CH ₂ CH ₃	0.520	520.000	3.964	3.964E+03
L-Leucine	61-90-5	HO ₂ CCH(NH ₂)CH ₂ CH(CH ₃) ₂	0.520	520.000	3.964	3.964E+03
L-Lysine Monohydrochloride	657-27-2	C ₆ H ₁₄ N ₂ O ₂ • HCl	0.725	724.600	3.967	3.967E+03
L-Methionine	63-68-3	HO ₂ CCH(NH ₂)CH ₂ CH ₂ SCH ₃	0.150	150.000	1.005	1.005E+03
L-Phenylalanine	63-91-2	HO ₂ CCH(NH ₂)CH ₂ C ₆ H ₅	0.320	320.000	1.937	1.937E+03
L-Threonine	72-19-5	HO ₂ CCH(NH ₂)CH(OH)CH ₃	0.480	480.000	4.030	4.030E+03
L-Tryptophan	73-22-3	C ₁₁ H ₁₂ N ₂ O ₂	0.100	100.000	0.490	489.644
L-Valine	72-18-4	HO ₂ CCH(NH ₂)CH(CH ₃) ₂	0.460	460.000	3.928	3.928E+03
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C ₁₈ H ₃₂ CaN ₂ O ₁₀	1.000E-02	10.000	2.099E-02	20.985
Choline Chloride	67-48-1	HOCH ₂ CH ₂ N(CH ₃) ₃ Cl	1.000E-02	10.000	7.162E-02	71.618
Folic Acid	59-30-3	C ₁₉ H ₁₉ N ₇ O ₆	1.000E-02	10.000	2.266E-02	22.655
I-Inositol	87-89-8	C ₆ H ₁₂ O ₆	2.000E-02	20.000	0.111	110.988
Niacinamide (Nicotinamide)	98-92-0	C ₆ H ₆ N ₂ O	1.000E-02	10.000	8.189E-02	81.893
Pyridoxine Monohydrochloride	58-56-0	C ₈ H ₁₁ NO ₃	1.000E-02	10.000	4.864E-02	48.638
Riboflavin (Vitamin B2)	83-88-5	C ₁₇ H ₂₀ N ₄ O ₆	1.000E-03	1.000	2.657E-03	2.657
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C ₁₂ H ₁₈ N ₄ OSCl ₂	1.000E-02	10.000	2.965E-02	29.647
Phenol Red	34487-61-1	C ₁₉ H ₁₄ O ₅ S	0.100	100.000	0.266	265.675
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C ₉ H ₉ NO ₃ Na ₂ • 2H ₂ O	0.519	519.000	1.987	1.987E+03
L-Cystine Dihydrochloride	30925-07-6	C ₆ H ₁₂ N ₂ O ₄ S ₂ •2HCl	0.313	312.900	0.999	999.042
Sodium Phosphate Monobasic, Anhydrous	7558-80-7	NaH ₂ PO ₄	1.217	1.217E+03	10.145	1.015E+04