

IMDM w/ HEPES
& L-Glutamine
(Hybridoma Screened)

12-915



Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Anhydrous	10043-52-4	CaCl ₂	0.165	165.000	1.487	1.487E+03
Dextrose	50-99-7	C ₆ H ₁₂ O ₆	4.500	4.500E+03	24.978	2.498E+04
Magnesium Sulfate Anhydrous	7487-88-9	MgSO ₄	9.766E-02	97.660	0.811	811.332
Potassium Chloride	7447-40-7	KCl	0.330	330.000	4.427	4.427E+03
Sodium Bicarbonate	144-55-8	NaHCO ₃	3.024	3.024E+03	35.996	3.600E+04
Sodium Chloride	7647-14-5	NaCl	4.505	4.505E+03	77.088	7.709E+04
Sodium Selenite (Platelet Factor Enriched Serum)	10102-18-8	Na ₂ SeO ₃	1.130E-05	1.130E-02	6.534E-05	0.065
L-Alanine	56-41-7	HO ₂ CCH(NH ₂)CH ₃	2.500E-02	25.000	0.281	280.615
L-Arginine Monohydrochloride	1119-34-2	C ₆ H ₁₄ N ₄ O ₂ • HCl	8.400E-02	84.000	0.399	398.747
L-Asparagine	70-47-3	C ₄ H ₈ N ₂ O ₃	2.499E-02	24.989	0.189	189.141
L-Aspartic Acid	56-84-8	HO ₂ CCH(NH ₂)CH ₂ CO ₂ H	3.000E-02	30.000	0.225	225.394
L-Glutamic Acid	56-86-0	C ₅ H ₉ NO ₄	7.500E-02	75.000	0.510	509.857
L-Glutamine	56-85-9	C ₅ H ₁₀ N ₂ O ₃	0.584	584.000	3.996	3.996E+03
Glycine	56-40-6	HO ₂ CCH ₂ NH ₂	3.000E-02	30.000	0.400	399.627
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	0.105	104.800	0.799	798.963
L-Leucine	61-90-5	HO ₂ CCH(NH ₂)CH ₂ CH(CH ₃) ₂	0.105	104.800	0.799	798.963
L-Lysine Monohydrochloride	657-27-2	C ₆ H ₁₄ N ₂ O ₂ • HCl	0.146	146.200	0.800	800.438
L-Methionine	63-68-3	HO ₂ CCH(NH ₂)CH ₂ CH ₂ SCH ₃	3.000E-02	30.000	0.201	201.072
L-Phenylalanine	63-91-2	HO ₂ CCH(NH ₂)CH ₂ C ₆ H ₅	6.600E-02	66.000	0.400	399.540
L-Proline	147-85-3	C ₅ H ₉ NO ₂	4.000E-02	40.000	0.347	347.433
L-Serine	56-45-1	HO ₂ CCH(NH ₂)CH ₂ OH	4.200E-02	42.000	0.400	399.657
L-Threonine	72-19-5	HO ₂ CCH(NH ₂)CH(OH)CH ₃	9.520E-02	95.200	0.799	799.194
L-Tryptophan	73-22-3	C ₁₁ H ₁₂ N ₂ O ₂	1.600E-02	16.000	7.834E-02	78.343
L-Valine	72-18-4	HO ₂ CCH(NH ₂)CH(CH ₃) ₂	9.360E-02	93.600	0.799	799.317
D-Biotin (Vitamin H)	58-85-5	C ₁₀ H ₁₆ N ₂ O ₃ S	1.300E-05	1.300E-02	5.321E-05	0.053
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C ₁₈ H ₃₂ CaN ₂ O ₁₀	4.000E-03	4.000	8.394E-03	8.394
Choline Chloride	67-48-1	HOCH ₂ CH ₂ N(CH ₃) ₃ Cl	4.000E-03	4.000	2.865E-02	28.647
Cyanocobalamin (Vitamin B12)	68-19-9	C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P	1.300E-05	1.300E-02	9.591E-06	9.591E-03
Folic Acid	59-30-3	C ₁₉ H ₁₉ N ₇ O ₆	4.000E-03	4.000	9.062E-03	9.062
I-Inositol	87-89-8	C ₆ H ₁₂ O ₆	7.000E-03	7.000	3.885E-02	38.846
Niacinamide (Nicotinamide)	98-92-0	C ₆ H ₆ N ₂ O	4.000E-03	4.000	3.276E-02	32.757
Pyridoxine Monohydrochloride	58-56-0	C ₈ H ₁₁ NO ₃	4.000E-03	4.000	1.946E-02	19.455
Riboflavin (Vitamin B2)	83-88-5	C ₁₇ H ₂₀ N ₄ O ₆	4.000E-04	0.400	1.063E-03	1.063
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C ₁₂ H ₁₈ N ₄ O ₄ SCl ₂	4.000E-03	4.000	1.186E-02	11.859
HEPES Buffer	7365-45-9	C ₈ H ₁₈ N ₂ O ₄ S	5.958	5.958E+03	25.001	2.500E+04
Phenol Red	34487-61-1	C ₁₉ H ₁₄ O ₅ S	1.534E-02	15.340	0.041	40.755
Pyruvic Acid Sodium Salt	113-24-6	CH ₃ COCO ₂ Na	0.110	110.000	1.000	999.636
Potassium Nitrate	7757-79-1	KNO ₃	7.600E-05	0.076	7.517E-04	0.752
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C ₉ H ₉ NO ₃ Na ₂ • 2H ₂ O	0.104	103.790	0.397	397.374
L-Cystine Dihydrochloride	30925-07-6	C ₆ H ₁₂ N ₂ O ₄ S ₂ •2HCl	9.124E-02	91.240	0.291	291.315
Sodium Phosphate Monobasic, Anhydrous	7558-80-7	NaH ₂ PO ₄	0.109	108.690	0.906	905.750