

McCoy's 5A Medium w/ L-Glutamine

12-168



Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Anhydrous	10043-52-4	CaCl ₂	0.100	100.000	0.901	900.982
Dextrose	50-99-7	C ₆ H ₁₂ O ₆	3.000	3.000E+03	16.652	1.665E+04
Magnesium Sulfate Anhydrous	7487-88-9	MgSO ₄	9.770E-02	97.699	0.812	811.657
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	5.460	5.460E+03	93.429	9.343E+04
L-Alanine	56-41-7	HO ₂ CCH(NH ₂)CH ₃	0.013	13.360	0.150	149.961
L-Arginine Monohydrochloride	1119-34-2	C ₆ H ₁₄ N ₄ O ₂ • HCl	0.042	42.140	0.200	200.038
L-Asparagine Monohydrate	5794-13-8	NH ₂ COCH ₂ CH(NH ₂)COOH • H ₂ O	0.045	45.030	0.300	299.940
L-Aspartic Acid	56-84-8	HO ₂ CCH(NH ₂)CH ₂ CO ₂ H	0.020	19.970	0.150	150.038
L-Cysteine Monohydrochloride Monohydrate	7048-04-6	C ₃ H ₇ NO ₂ S • HCl • H ₂ O	0.035	35.120	0.200	200.000
L-Glutamic Acid	56-86-0	C ₅ H ₉ NO ₄	0.022	22.070	0.150	150.034
L-Glutamine	56-85-9	C ₅ H ₁₀ N ₂ O ₃	0.219	219.150	1.499	1.499E+03
Glutathione Reduced	70-18-8	C ₁₀ H ₁₇ N ₃ O ₆ S	5.000E-04	0.500	1.627E-03	1.627
Glycine	56-40-6	HO ₂ CCH ₂ NH ₂	7.510E-03	7.510	0.100	100.040
L-Histidine Monohydrochloride Monohydrate	5934-29-2	C ₆ H ₉ N ₃ O ₂ • HCl • H ₂ O	0.021	20.960	0.100	100.000
L-Hydroxyproline	51-35-4	C ₅ H ₉ NO ₃	0.020	19.670	0.150	150.004
L-Isoleucine	73-32-5	HO ₂ CCH(NH ₂)CH(CH ₃)CH ₂ CH ₃	0.039	39.360	0.300	300.069
L-Leucine	61-90-5	HO ₂ CCH(NH ₂)CH ₂ CH(CH ₃) ₂	0.039	39.360	0.300	300.069
L-Lysine Monohydrochloride	657-27-2	C ₆ H ₁₄ N ₂ O ₂ • HCl	0.037	36.540	0.200	200.055
L-Methionine	63-68-3	HO ₂ CCH(NH ₂)CH ₂ CH ₂ SC ₂ H ₅	0.015	14.920	0.100	100.000
L-Phenylalanine	63-91-2	HO ₂ CCH(NH ₂)CH ₂ C ₆ H ₅	0.017	16.520	0.100	100.006
L-Proline	147-85-3	C ₅ H ₉ NO ₂	0.017	17.27	0.150	150.004
L-Serine	56-45-1	HO ₂ CCH(NH ₂)CH ₂ OH	0.026	26.280	0.250	250.071
L-Threonine	72-19-5	HO ₂ CCH(NH ₂)CH(OH)CH ₃	0.018	17.870	0.150	150.017
L-Tryptophan	73-22-3	C ₁₁ H ₁₂ N ₂ O ₂	3.060E-03	3.060	1.498E-02	14.983
L-Valine	72-18-4	HO ₂ CCH(NH ₂)CH(CH ₃) ₂	0.02	17.570	0.150	150.043
L-Ascorbic Acid (Vitamin C)	50-81-7	C ₆ H ₈ O ₆	5.000E-04	0.500	2.839E-03	2.839
D-Biotin (Vitamin H)	58-85-5	C ₁₀ H ₁₆ N ₂ O ₃ S	2.000E-04	0.200	8.186E-04	0.819
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C ₁₈ H ₃₂ CaN ₂ O ₁₀	2.000E-04	0.200	4.197E-04	0.420
Choline Chloride	67-48-1	HOCH ₂ CH ₂ N(CH ₃) ₃ Cl	5.000E-03	5.000	3.581E-02	35.809
Cyanocobalamin (Vitamin B12)	68-19-9	C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P	2.000E-03	2.000	1.476E-03	1.476
Folic Acid	59-30-3	C ₁₉ H ₁₉ N ₇ O ₆	0.010	10.000	2.266E-02	22.655
I-Inositol	87-89-8	C ₆ H ₁₂ O ₆	0.036	36.000	0.200	199.778
Nicotinic Acid (Niacin)	59-67-6	C ₆ H ₅ NO ₂	5.000E-04	0.500	4.061E-03	4.061
Niacinamide (Nicotinamide)	98-92-0	C ₆ H ₆ N ₂ O	5.000E-04	0.500	4.095E-03	4.095
Pyridoxal hydrochloride	65-22-5	C ₈ H ₉ NO ₃ • HCl	5.000E-04	0.500	2.456E-03	2.456
Pyridoxine Monohydrochloride	58-56-0	C ₈ H ₁₁ NO ₃	5.000E-04	0.500	2.432E-03	2.432
Riboflavin (Vitamin B2)	83-88-5	C ₁₇ H ₂₀ N ₄ O ₆	2.000E-04	0.200	5.314E-04	0.531
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C ₁₂ H ₁₈ N ₄ OSCl ₂	2.000E-04	0.200	5.929E-04	0.593
Bacto-peptone	NA	NA	0.600	600.000	NA	
HEPES Buffer	7365-45-9	C ₈ H ₁₈ N ₂ O ₄ S	5.957	5.957E+03	24.999	2.500E+04
Phenol Red	34487-61-1	C ₁₉ H ₁₄ O ₅ S	0.010	10.000	2.657E-02	26.567
P-Aminobenzoic Acid, PABA	150-13-0	C ₇ H ₇ NO ₂	1.000E-03	1.000	7.299E-03	7.299
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C ₉ H ₉ NO ₃ Na ₂ • 2H ₂ O	0.026	26.120	0.100	100.005
Sodium Phosphate Monobasic, Anhydrous	7558-80-7	NaH ₂ PO ₄	0.504	504.384	4.203	4.203E+03