

**L-15 (Leibovitz) Modified
Medium 2X (Except L-
Tyrosine, 1X), w/o L-
Glutamine or Phenol Red
(Virus Plaquing Medium)**

12-669

Lonza

Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Anhydrous	10043-52-4	CaCl ₂	0.280	280.000	2.523	2.523E+03
D(+) Galactose (Anhydrous)	59-23-4	C ₆ H ₁₂ O ₆	1.800	1.800E+03	9.991	9.991E+03
Magnesium Sulfate Anhydrous	7487-88-9	MgSO ₄	0.195	195.400	1.623	1.623E+03
Potassium Chloride	7447-40-7	KCl	0.800	800.000	10.731	1.073E+04
Potassium Phosphate Monobasic Anhydrous	7778-77-0	KH ₂ PO ₄	0.120	120.000	0.882	881.705
Sodium Chloride	7647-14-5	NaCl	16.000	1.600E+04	273.785	2.738E+05
Sodium Phosphate, Dibasic Anhydrous	7558-79-4	Na ₂ HPO ₄	0.380	380.000	2.676	2.676E+03
L-Alanine	56-41-7	HO ₂ CCH(NH ₂)CH ₃	0.450	450.000	5.051	5.051E+03
L-Arginine Free Base	74-79-3	C ₆ H ₁₄ N ₄ O ₂	1.000	1.000E+03	5.741	5.741E+03
L-Asparagine	70-47-3	C ₄ H ₈ N ₂ O ₃	0.500	500.000	3.784	3.784E+03
L-Cysteine, Free Base	52-90-4	HS-CH ₂ CH(NH ₂)COOH	0.240	240.000	1.981	1.981E+03
Glycine	56-40-6	HO ₂ CCH ₂ NH ₂	0.400	400.000	5.328	5.328E+03
L-Histidine, Free Base	71-00-1	(C ₃ N ₂ H ₃)CH ₂ CH(NH ₂)COOH	0.500	500.000	3.222	3.222E+03
L-Isoleucine	73-32-5	HO ₂ CCH(NH ₂)CH(CH ₃)CH ₂ CH ₃	0.250	250.000	1.906	1.906E+03
L-Leucine	61-90-5	HO ₂ CCH(NH ₂)CH ₂ CH(CH ₃) ₂	0.250	250.000	1.906	1.906E+03
L-Lysine Monohydrochloride	657-27-2	C ₆ H ₁₄ N ₂ O ₂ • HCl	0.187	187.400	1.026	1.026E+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	0.250	250.000	1.513	1.513E+03
L-Serine	56-45-1	HO ₂ CCH(NH ₂)CH ₂ OH	0.400	400.000	3.806	3.806E+03
L-Threonine	72-19-5	HO ₂ CCH(NH ₂)CH(OH)CH ₃	0.600	600.000	5.037	5.037E+03
L-Tryptophan	73-22-3	C ₁₁ H ₁₂ N ₂ O ₂	4.000E-02	40.000	0.196	195.858
L-Valine	72-18-4	HO ₂ CCH(NH ₂)CH(CH ₃) ₂	0.200	200.000	1.708	1.708E+03
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C ₁₈ H ₃₂ CaN ₂ O ₁₀	2.000E-03	2.000	4.197E-03	4.197
Choline Chloride	67-48-1	HOCH ₂ CH ₂ N(CH ₃) ₃ Cl	2.000E-03	2.000	1.432E-02	14.324
Folic Acid	59-30-3	C ₁₉ H ₁₉ N ₇ O ₆	2.000E-03	2.000	4.531E-03	4.531
Inositol	87-89-8	C ₆ H ₁₂ O ₆	4.000E-03	4.000	2.220E-02	22.198
Niacinamide (Nicotinamide)	98-92-0	C ₆ H ₆ N ₂ O	2.000E-03	2.000	1.638E-02	16.379
Pyridoxine Monohydrochloride	58-56-0	C ₈ H ₁₁ N ₃ O ₃ •HCl	2.000E-03	2.000	9.728E-03	9.728
Riboflavin-5'-Phosphate	6184-17-4	C ₁₇ H ₂₀ N ₄ O ₉ PNa•2H ₂ O	2.000E-04	0.200	3.888E-04	0.389
Pyruvic Acid Sodium Salt	113-24-6	CH ₃ COCO ₂ Na	1.100	1.100E+03	9.996	9.996E+03
Thiamine Monophosphate	273724-21-3	C ₁₂ H ₁₈ CIN ₄ O ₄ PS•2H ₂ O	2.000E-03	2.000	4.798E-03	4.798
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C ₉ H ₉ NO ₃ Na ₂ • 2H ₂ O	0.370	370.000	1.417	1.417E+03
Magnesium Chloride, Anhydrous	7786-30-3	MgCl ₂	0.187	187.333	1.968	1.968E+03