Grace's Insect Medium w/o Lactalbumin Hydrolysate, Yeasolate, Gentamicin or FBS

04-457

Lonza

			Concentration		Molarity	
Description	**CAS #**	**Chemical Formula**	**g/L**	**mg/L**	**mM**	**uM**
Calcium Chloride Dihydrate	10035-04-8	CaCl2 • 2H2O	0.993	993.000	6.754	6.754E+03
Dextrose	50-99-7	C6H12O6	0.700	700.000	3.885	3.885E+03
Magnesium Chloride Hexahydrate	7791-18-6	MgCl2 • 6H2O	2.280	2.280E+03	11.215	1.121E+04
Magnesium Sulfate Anhydrous	7487-88-9	MgSO4	1.358	1.358E+03	11.282	1.128E+04
Potassium Chloride	7447-40-7	KCl	4.100	4.100E+03	54.997	5.500E+04
Sodium Bicarbonate	144-55-8	NaHCO3	0.350	350.000	4.166	4.166E+03
Sodium phosphate monobasic monohydrate	10049-21-5	NaH2PO4 • H2O	1.008	1.008E+03	7.305	7.305E+03
Sucrose	57-50-1	C12H22O11	26.680	2.668E+04	77.943	7.794E+04
L-Alanine	56-41-7	HO2CCH(NH2)CH3	0.225	225.000	2.526	2.526E+03
L-Arginine Monohydrochloride	1119-34-2	C6H14N4O2 • HCl	0.700	700.000	3.323	3.323E+03
L-Asparagine Monohydrate	5794-13-8	NH2COCH2CH(NH2)COOH • H2O	0.398	398.000	2.651	2.651E+03
L-Aspartic Acid	56-84-8	HO2CCH(NH2)CH2CO2H	0.350	350.000	2.630	2.630E+03
L-Glutamic Acid	56-86-0	C5H9NO4	0.600	600.000	4.079	4.079E+03
L-Glutamine	56-85-9	C5H10N2O3	0.600	600.000	4.105	4.105E+03
Glycine	56-40-6	HO2CCH2NH2	0.650	650.000	8.659	8.659E+03
L-Histidine, Free Base	71-00-1	(C3N2H3)CH2CH(NH2)COOH	2.500	2.500E+03	16.112	1.611E+04
L-Isoleucine	73-32-5	HO2CCH(NH2)CH(CH3)CH2CH3	5.000E-02	50.000	0.381	381.185
L-Leucine	61-90-5	HO2CCH(NH2)CH2CH(CH3)2	7.500E-02	75.000	0.572	571.777
L-Lysine Monohydrochloride	657-27-2	C6H14N2O2 • HCl	0.625	625.000	3.422	3.422E+03
L-Methionine	63-68-3	HO2CCH(NH2)CH2CH2SCH3	5.000E-02	50.000	0.335	335.121
L-Phenylalanine	63-91-2	HO2CCH(NH2)CH2C6H5	0.150	150.000	0.908	908.045
L-Proline	147-85-3	C5H9NO2	0.350	350.000	3.040	3.040E+03
L-Threonine	72-19-5	HO2CCH(NH2)CH(OH)CH3	0.175	175.000	1.469	1.469E+03
L-Tryptophan	73-22-3	C11H12N2O2	0.100	100.000	0.490	489.644
L-Valine	72-18-4	HO2CCH(NH2)CH(CH3)2	0.100	100.000	0.854	853.971
D-Biotin (Vitamin H)	58-85-5	C10H16N2O3S	1.000E-05	1.000E-02	4.093E-05	0.041
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C18H32CaN2O10	2.000E-05	2.000E-02	4.197E-05	0.042
Choline Chloride	67-48-1	HOCH2CH2N(CH3)3Cl	2.000E-04	0.200	1.432E-03	1.432
Folic Acid	59-30-3	C19H19N7O6	2.000E-05	2.000E-02	4.531E-05	0.045
I-Inositol	87-89-8	C6H12O6	2.000E-05	2.000E-02	1.110E-04	0.111
Nicotinic Acid (Niacin)	59-67-6	C6H5NO2	2.000E-05	2.000E-02	1.625E-04	0.162
Pyridoxine Monohydrochloride	58-56-0	C8H11NO3	2.000E-05	2.000E-02	9.728E-05	0.097
Riboflavin (Vitamin B2)	83-88-5	C17H20N4O6	2.000E-05	2.000E-02	5.314E-05	0.053
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C12H18N4OSCl2	2.000E-05	2.000E-02	5.929E-05	0.059
P-Aminobenzoic Acid, PABA	150-13-0	C7H7NO2	2.000E-05	2.000E-02	1.459E-04	0.146
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C9H9NO3Na2 • 2H2O	7.208E-02	72.083	0.276	275.980
L-Cystine Dihydrochloride	30925-07-6	C6H12N2O4S2·2HCl	2.829E-02	28.292	9.033E-02	90.331
Alpha-Keto-Glutaric Acid	328-50-7	C5H6O5	0.370	370.000	2.533	2.533E+03
Succinic Acid	110-15-6	C4H6O4	6.000E-02	60.000	0.508	508.087
Fumaric Acid	110-17-8	C4H4O4	5.500E-02	55.000	0.474	473.852
Beta-Alanine	107-95-9	NH2CH2·CH2COOH	0.200	200.000	2.245	2.245E+03
DL-Serine	302-84-1	C3H7NO3	1.100	1.100E+03	10.466	1.047E+04
L-Malic Acid, Hydroxysuccinic Acid	97-67-6	C4H6O5	0.670	670.000	4.997	4.997E+03
D-Fructose	57-48-7	C6H12O6	0.400	400.000	2.220	2.220E+03