

DMEM 4.5g/L Glucose
w/ UltraGlutamine

BE12-604/U1



Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
NaHCO3	144-55-8	NaHCO3	3.700	3.700E+03	44.042	4.404E+04
Fe(NO3)3.9H2O	7782-61-8	Fe(NO3)3 • 9H2O	1.000E-04	0.100	2.475E-04	0.248
KCl	7447-40-7	KCl	0.400	400.000	5.366	5.366E+03
NaCl	7647-14-5	NaCl	6.250	6.250E+03	106.947	1.069E+05
Sodium Pyruvate	113-24-6	CH3COCO2Na	0.110	110.000	1.000	999.636
L-Arginine.HCl	1119-34-2	C6H14N4O2 • HCl	8.400E-02	84.000	0.399	398.747
Glycine	56-40-6	HO2CCH2NH2	3.000E-02	30.000	0.400	399.627
L-Histidine.HCl.H2O	5934-29-2	C6H9N3O2 • HCl • H2O	4.200E-02	42.000	0.200	200.382
L-Isoleucine	73-32-5	HO2CCH(NH2)CH(CH3)CH2CH3	0.105	104.800	0.799	798.963
L-Leucine	61-90-5	HO2CCH(NH2)CH2CH(CH3)2	0.105	104.800	0.799	798.963
L-Lysine.HCl	657-27-2	C6H14N2O2 • HCl	0.146	146.200	0.800	800.438
L-Methionine	63-68-3	HO2CCH(NH2)CH2CH2SCH3	3.000E-02	30.000	0.201	201.072
L-Phenylalanine	63-91-2	HO2CCH(NH2)CH2C6H5	6.600E-02	66.000	0.400	399.540
L-Serine	56-45-1	HO2CCH(NH2)CH2OH	4.200E-02	42.000	0.400	399.657
L-Threonine	72-19-5	HO2CCH(NH2)CH(OH)CH3	9.520E-02	95.200	0.799	799.194
L-Tryptophane	73-22-3	C11H12N2O2	1.600E-02	16.000	7.834E-02	78.343
L-Tyrosine	60-18-4	C9H11NO3	7.200E-02	72.000	0.397	397.373
L-Valine	72-18-4	HO2CCH(NH2)CH(CH3)2	9.360E-02	93.600	0.799	799.317
D-Calcium Pantothenate	137-08-6	C18H32CaN2O10	4.000E-03	4.000	8.394E-03	8.394
Folic Acid	59-30-3	C19H19N7O6	4.000E-03	4.000	9.062E-03	9.062
Myo-Inositol	87-89-8	C6H12O6	7.000E-03	7.000	3.885E-02	38.846
Nicotinamide	98-92-0	C6H6N2O	4.000E-03	4.000	3.276E-02	32.757
Pyridoxine HCl	58-56-0	C8H11NO3	4.000E-03	4.000	1.946E-02	19.455
Riboflavin	83-88-5	C17H20N4O6	4.000E-04	0.400	1.063E-03	1.063
Thiamine.HCl	67-03-8	C12H18N4OSCl2	4.000E-03	4.000	1.186E-02	11.859
D-Glucose.H2O	14432-43-7	C6H12O6. H2O	4.950	4.950E+03	24.979	2.498E+04
Choline Chloride	67-48-1	HOCH2CH2N(CH3)3Cl	4.000E-03	4.000	2.865E-02	28.647
Phenol Red Salt Sodium	34487-61-1	C19H14O5S	1.593E-02	15.930	4.232E-02	42.322
Ultraglutamine I	39537-23-0	C8H15N3O4	0.868	868.000	3.996	3.996E+03
L-Cystine.2HCl	30925-07-6	C6H12N2O4S2.2HCl	6.258E-02	62.580	0.200	199.808
CaCl2 anhydrous	10043-52-4	CaCl2	0.200	200.000	1.802	1.802E+03
MgSO4 anhydrous	7487-88-9	MgSO4	9.767E-02	97.670	0.811	811.415
NaH2PO4 Anhydrous	7558-80-7	NaH2PO4	0.109	108.690	0.906	905.750