

Components	Molecular Weight	Concentration (mg/L)	mM
Amino Acids			
L-Arginine hydrochloride	211	42	0.199052
L-Cystine 2HCl	313	31	0.099042
L-Glutamine	146	292	2
L-Histidine hydrochloride-H2O	210	21	0.1
L-Isoleucine	131	52	0.396947
L-Leucine	131	52	0.396947
L-Lysine hydrochloride	183	73	0.398907
L-Methionine	149	15	0.100671
L-Phenylalanine	165	33	0.2
L-Threonine	119	47.6	0.4
L-Tryptophan	204	8	0.039216
L-Tyrosine disodium salt dihydrate	261	52	0.199234
L-Valine	117	46.8	0.4
Vitamins			
Choline chloride	140	2	0.014286
D-Calcium pantothenate	477	2	0.004193
Folic Acid	441	2	0.004535
Niacinamide	122	2	0.016393
Pyridoxal hydrochloride	204	2	0.009804
Riboflavin	376	0.2	5.32E-04
Thiamine hydrochloride	337	2	0.005935
i-Inositol	180	3.6	0.02
Inorganic Salts			
Calcium Chloride (CaCl ₂) (anhyd.)	111	200	1.801802
Ferric Nitrate (Fe(NO ₃) ₃ ·9H ₂ O)	404	0.1	2.48E-04
Magnesium Sulfate (MgSO ₄) (anhyd.)	120	97.67	0.813917
Potassium Chloride (KCl)	75	400	5.333334
Sodium Bicarbonate (NaHCO ₃)	84	2750	32.73809
Sodium Chloride (NaCl)	58	6400	110.3448
Sodium Phosphate monobasic (NaH ₂ PO ₄ ·H ₂ O)	138	124	0.898551
Other Components			
D-Glucose (Dextrose)	180	4500	25
Phenol Red	376.4	15	0.039851