

Components	Molecular Weight	Concentration (mg/L)	mM
<b>Amino Acids</b>			
Glycine	75	50	0.6666667
L-Arginine hydrochloride	211	75	0.35545024
L-Aspartic acid	133	60	0.45112783
L-Cysteine	121	61	0.5041322
L-Cystine	240	15	0.0625
L-Glutamic Acid	147	150	1.0204082
L-Glutamine	146	350	2.3972602
L-Histidine	155	128	0.82580644
L-Isoleucine	131	25	0.1908397
L-Leucine	131	50	0.3816794
L-Lysine hydrochloride	183	240	1.3114754
L-Methionine	149	50	0.33557048
L-Phenylalanine	165	50	0.3030303
L-Proline	115	50	0.4347826
L-Threonine	119	75	0.6302521
L-Tryptophan	204	40	0.19607843
L-Tyrosine	181	40	0.22099447
L-Valine	117	65	0.5555556
<b>Vitamins</b>			
Ascorbic Acid	176	17.5	0.09943182
Biotin	244	0.02	8.20E-05
Choline chloride	140	250	1.7857143
D-Calcium pantothenate	477	1	0.002096436
Folic Acid	441	0.5	0.001133787
Niacinamide	122	1	0.008196721
Pyridoxine hydrochloride	206	1	0.004854369
Riboflavin	376	1	0.002659574
Thiamine hydrochloride	337	10	0.029673591
Vitamin B12	1355	0.2	1.48E-04
i-Inositol	180	1	0.005555556
<b>Inorganic Salts</b>			
Calcium Chloride (CaCl <sub>2</sub> ·2H <sub>2</sub> O)	147	120	0.81632656
Magnesium Chloride (MgCl <sub>2</sub> ·6H <sub>2</sub> O)	203	240	1.182266
Magnesium Sulfate (MgSO <sub>4</sub> ·7H <sub>2</sub> O)	246	200	0.8130081
Potassium Chloride (KCl)	75	150	2
Potassium Phosphate monobasic (KH <sub>2</sub> PO <sub>4</sub> )	136	80	0.5882353
Sodium Bicarbonate (NaHCO <sub>3</sub> )	84	2240	26.666666
Sodium Chloride (NaCl)	58	6000	103.44827
Sodium Phosphate dibasic (Na <sub>2</sub> HPO <sub>4</sub> ·7H <sub>2</sub> O)	268	566	2.1119404
<b>Other Components</b>			
D-Glucose (Dextrose)	180	5000	27.777779
Glutathione (reduced)	307	15	0.048859935
Hypoxanthine	136	25	0.18382353
Phenol Red	376.4	10	0.026567481