GENAXXON bioscience

DMEM - F12 Mix

C4017 with HEPES, with stable Glutamine, with 4.7g/L NaHCO3

	Component	mg/L	mM
Anorganic salts	CaCl2 anhyd.	116.60	1.0505
	Fe(III)-nitrate x 9H2O	0.05	1.24E-4
	Fe(II)-sulfate x 7H2O	0.42	0.0015
	KCl	311.83	4.1573
	Cu(II)-sulfate x 5H2O	0.001	5.2E-6
	MgCl2 anhyd.	28.57	0.3015
	MgSO4 anhyd.	48.85	0.407
	NaCl	6999.50	120.6121
	NaH2PO4 anhyd.	54.35	0.4529
	Na2HPO4 anhyd.	70.98	0.5001
	ZnSO4 x 7H2O	0,43	0.0015
	NaHCO3	4700.00	55.9523
Other components	D(+)-Glucose (anhydrous)	3151.00	17.5056
	HEPES	3574.50	15.0189
	Hypoxanthine	2.04	0.0150
	Linoleic acid	0.04	1.50E-4
	DL-Lipoic acid	0.103	5.1E-4
	Na-pyruvate	110.00	1.0000
	Phenol red	8.10	0.02152
	Putrescin x 2HCl	0.081	5.03E-4
	Thymidine	0.365	0.0015
Amino acids	L-Alanine	4.46	0.0500
	L-Arginine x HCl	147.35	0.6990
	L-Asparagine x H2O	7.50	0.0500
	L-Aspartic acid	6.66	0.0500
	L-Cystine	24.00	0.1000
	L-Cysteine x HCl x H2O	17.56	0.1000
	L-Glutamine	0.00	0.00
	L-Glutamic acid	7.36	0.0500
	Glycine	18.75	0.2500
	L-Histidine x HCl x H2O	31.48	0.1499
	L-Isoleucine	54.37	0.4158
	L-Leucine	58.96	0.4508
	L-Lysine x HCl	91.37	0.4986
	L-Methionine	17.24	0.1157
	L-Phenylalanine	35.48	0.2150
	L-Proline	17.27	0.1500
	L-Serine	26.26	0.2500
	L-Threonine	53.55	0.4492
	L-Tryptophan	9.02	0.0442
	L-Tyrosine	38.72	0.2138
	L-Valine	53.00	0.4524
Vitamines	D(+)-Biotin	0.0035	1.43E-5
	D-Ca-Pantothenate	2.12	0.0047
	Cholin chloride	8.98	0.0641
	Folic acid	2.66	0.0060
	myo-Inositol	12.51	0.0700
	Niacinamide	2.02	0.0166
	Pyridoxine x HCl	2.03	0.0097
	Riboflavine	0.219	5.82E-4
	Thiamine x HCl	2.17	0.0064
	Vitamine B12	0.68	5.02E-4