

Thermo Scientific HyClone Classical Media

Ham's Nutrient Mixture F12 Liquid Media

Part Number	SH30026 SH30312		SH30526 Kaighn's		
Component Description	mg/L	mmol/L	mg/L	mmol/L	
Inorganic Salts	CALCIUM CHLORIDE (ANHY)	33.22	0.2993	102	0.9191
	COPPER SULFATE-5H2O	0.0025	0.00001	0	0
	FERROUS SULFATE-7H2O	0.83	0.003	0.83	0.003
	POTASSIUM CHLORIDE	223.65	3	285	3.8229
	POTASSIUM PHOSPHATE MONOBASIC (ANHY)	0	0	59	0.4335
	MAGNESIUM CHLORIDE	57.22	0.601	49.7	0.522
	MAGNESIUM SULFATE (ANHY)	0	0	192	1.5947
	SODIUM CHLORIDE	7599	130.0308	7530	128.8501
	SODIUM PHOSPHATE DIBASIC, ANHY	142.04	1.0006	115.5	0.8136
	ZINC SULFATE-7H2O	0.86	0.003	0.14	0.0005
Amino Acids	L-ALANINE	8.91	0.1	18	0.202
	L-ARGININE-HCL	210.7	1.0002	422	2.0032
	L-ASPARAGINE-H2O	15.01	0.1	30	0.1998
	L-ASPARTIC ACID	13.3	0.0999	26.6	0.1998
	L-CYSTEINE-HCL-H2O	35.12	0.2	70	0.3985
	L-GLUTAMIC ACID	14.7	0.0999	29	0.1971
	L-GLUTAMINE	146.2	1.0003	292	1.9979
	GLYCINE	7.51	0.1	15	0.1998
	L-HISTIDINE-HCL-H2O	20.96	0.1	45.8	0.2185
	L-ISOLEUCINE	3.94	0.03	7.88	0.0601
	L-LEUCINE	13.12	0.1	26.2	0.1997
	L-LYSINE-HCL	36.54	0.2001	73	0.3997
	L-METHIONINE	4.48	0.03	8.96	0.06
	L-PHENYLALANINE	4.96	0.03	9.92	0.0601
	L-PROLINE	34.53	0.2999	69	0.5993
	L-SERINE	10.51	0.1	21	0.1998
	L-THREONINE	11.91	0.1	23	0.1931
	L-TRYPTOPHAN	2.04	0.01	4.1	0.0201
L-TYROSINE-2NA-2H2O	7.78	0.0298	13.5	0.0517	
L-VALINE	11.71	0.1	23	0.1963	
Vitamins	D-BIOTIN	0.00733	0.00003	0.0733	0.0003
	CALCIUM D-PANTOTHENATE	0.24	0.0005	0.5	0.001
	CHOLINE CHLORIDE	13.96	0.1	14	0.1003
	FOLIC ACID	1.3	0.0029	1.3	0.0029
	HYPOXANTHINE-2NA	5.4	0.03	4	0.0222
	MYO-INOSITOL	18.02	0.1	18	0.0999
	NIACINAMIDE	0.04	0.0003	0.03	0.0003
	PYRIDOXINE-HCL	0.06	0.0003	0.06	0.0003
	RIBOFLAVIN	0.04	0.0001	0.04	0.0001
	THIAMINE-HCL	0.34	0.001	0.33	0.0001
	THYMIDINE	0.73	0.003	0.72	0.003
	VITAMIN B12	1.357	0.001	1.4	0.001
	DL-ALPHA-LIPOIC ACID	0.21	0.001	0.21	0.001
	LINOLEIC ACID	0.09	0.0003	0	0
Other	D-GLUCOSE	1801.6	10	1260	6.9938
	PHENOL RED-NA	1.3	0.0035	3	0.008
	SODIUM PYRUVATE	110	0.9996	220	1.9993
	PUTRESCINE-2HCL	0.16	0.001	0.32	0.002
	SODIUM BICARBONATE (USP TESTED)	1176	13.9983	2500	29.7584