



HyClone™ classical media

Dulbecco's Modified Eagle's Medium/Nutrient Mixture F12 Ham's Dry powdered media

Component description	Code number SH30004, SH30301		Code number SH30069, SH30339	
	mg/L	mmol/L	mg/L	mmol/L
Inorganic salts				
Calcium chloride (anhydrous)	116.61	1.0507	116.61	1.0507
Copper sulfate-5H ₂ O	0.0013	0.00001	0.0013	0.00001
Ferric nitrate-9H ₂ O	0.05	0.0001	0.05	0.0001
Ferrous sulfate-7H ₂ O	0.417	0.0015	0.417	0.0015
Potassium chloride	311.8	4.1824	311.8	4.1824
Magnesium chloride (anhydrous)	28.61	0.3005	28.61	0.3005
Magnesium sulfate (anhydrous)	48.84	0.4056	48.84	0.4056
Sodium chloride	6999.5	119.7724	6999.5	119.7724
Sodium phosphate dibasic (anhydrous)	71.02	0.5003	71.02	0.5003
Sodium phosphate monobasic H ₂ O	62.5	0.4529	62.5	0.4529
Zinc sulfate-7H ₂ O	0.43	0.0015	0.43	0.0015
Amino acids				
L-Alanine	4.45	0.05	4.45	0.05
L-Arginine-HCl	147.5	0.7002	147.5	0.7002
L-Asparagine-H ₂ O	7.501	0.05	7.501	0.05
L-Aspartic acid	6.65	0.05	6.65	0.05
L-Cysteine-HCl-H ₂ O	17.56	0.1	17.56	0.1
L-Cystine-2HCl	31.29	0.0999	31.29	0.0999
L-Glutamic acid	7.35	0.05	7.35	0.05
L-Glutamine	365	2.4974	365	2.4974
Glycine	18.75	0.2498	18.75	0.2498
L-Histidine-HCl-H ₂ O	31.48	0.1502	31.48	0.1502
L-Isoleucine	54.47	0.4153	54.47	0.4153
L-Leucine	59.05	0.4502	59.05	0.4502
L-Lysine-HCl	91.26	0.4996	91.26	0.4996
L-Methionine	17.24	0.1155	17.24	0.1155
L-Phenylalanine	35.48	0.2148	35.48	0.2148
L-Proline	17.25	0.1498	17.25	0.1498
L-Serine	26.25	0.2498	26.25	0.2498
L-Threonine	53.45	0.4487	53.45	0.4487
L-Tryptophan	9.02	0.0442	9.02	0.0442
L-Tyrosine-2Na-2H ₂ O	55.79	0.2136	55.79	0.2136
L-Valine	52.85	0.4511	52.85	0.4511
Vitamins				
D-Biotin	0.0036	0.00001	0.0036	0.00001
Calcium D-pantothenate	2.24	0.0047	2.24	0.0047
Choline chloride	8.98	0.0643	8.98	0.0643
Folic acid	2.65	0.006	2.65	0.006
Myo-inositol	12.6	0.0699	12.6	0.0699
Niacinamide	2.02	0.0165	2.02	0.0165
Pyridoxal hydrochloride	0	0	0	0
Pyridoxine-HCl	2.03	0.0099	2.03	0.0099
Riboflavin	0.22	0.0006	0.22	0.0006
Thiamine-HCl	2.17	0.0064	2.17	0.0064
Vitamin B12	0.68	0.0005	0.68	0.0005
D-Glucose	3151	17.49	3151	17.49
HEPES	3575	15.0021	0	0
Hypoxanthine-2Na	2.7	0.015	2.7	0.015
Linoleic acid	0.04	0.0001	0.04	0.0001
DL- α -Lipoic acid	0.105	0.0005	0.105	0.0005
Phenol red-Na	8.6	0.0229	8.6	0.0229
Putrescine-2HCl	0.08	0.0005	0.08	0.0005
Sodium pyruvate	55	0.4999	55	0.4999
Thymidine	0.37	0.0015	0.37	0.0015
Other				
Sodium bicarbonate	Add 1200	Add 14,284	Add 1200	Add 14,284

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