

HyClone classical media

CELL CULTURE

Ham's Nutrient Mixture F12 Dry powdered media

Component description	Code number SH30010		Code number SH30056		Code number SH30305	
	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
Inorganic salts						
Calcium chloride (anhydrous)	33.22	0.2993	33.22	0.2993	33.22	0.2993
Copper sulfate-5H ₂ O	0.0025	0.00001	0.0025	0.00001	0.0025	0.00001
Ferrous sulfate-7H ₂ O	0.83	0.003	0.83	0.003	0.83	0.003
Potassium chloride	223.65	3	223.65	3	223.65	3
Potassium phosphate monobasic (anhydrous)	0	0	0	0	0	0
Magnesium chloride	57.22	0.601	57.22	0.601	57.22	0.601
Magnesium sulfate (anhydrous)	0	0	0	0	0	0
Sodium chloride	7599	130.0308	7599	130.0308	7599	130.0308
Sodium phosphate dibasic (anhydrous)	142.04	1.0006	142.04	1.0006	142.04	1.0006
Zinc sulfate-7H ₂ O	0.86	0.003	0.86	0.003	0.86	0.003
Amino acids						
L-Alanine	8.91	0.1	8.91	0.1	8.91	0.1
L-Arginine-HCl	210.7	1.0002	210.7	1.0002	210.7	1.0002
L-Asparagine-H ₂ O	15.01	0.1	15.01	0.1	15.01	0.1
L-Aspartic acid	13.3	0.0999	13.3	0.0999	13.3	0.0999
L-Cysteine-HCl-H ₂ O	35.12	0.2	35.12	0.2	35.12	0.2
L-Glutamic acid	14.7	0.0999	14.7	0.0999	14.7	0.0999
L-Glutamine	146.2	1.0003	0	0	146.2	1.0003
Glycine	7.51	0.1	7.51	0.1	7.51	0.1
L-Histidine-HCl-H ₂ O	20.96	0.1	20.96	0.1	20.96	0.1
L-Isoleucine	3.94	0.03	3.94	0.03	3.94	0.03
L-Leucine	13.12	0.1	13.12	0.1	13.12	0.1
L-Lysine-HCl	36.54	0.2001	36.54	0.2001	36.54	0.2001
L-Methionine	4.48	0.03	4.48	0.03	4.48	0.03
L-Phenylalanine	4.96	0.03	4.96	0.03	4.96	0.03
L-Proline	34.53	0.2999	34.53	0.2999	34.53	0.2999
L-Serine	10.51	0.1	10.51	0.1	10.51	0.1
L-Threonine	11.91	0.1	11.91	0.1	11.91	0.1
L-Tryptophan	2.04	0.01	2.04	0.01	2.04	0.01
L-Tyrosine-2Na-2H ₂ O	7.78	0.0298	7.78	0.0298	7.78	0.0298
L-Valine	11.71	0.1	11.71	0.1	11.71	0.1

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	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
Vitamins						
D-Biotin	0.00733	0.00003	0.00733	0.00003	0.00733	0.00003
Calcium D-pantothenate	0.24	0.0005	0.24	0.0005	0.24	0.0005
Choline chloride	13.96	0.1	13.96	0.1	13.96	0.1
Folic acid	1.3	0.0029	1.3	0.0029	1.3	0.0029
Hypoxanthine-2Na	5.4	0.03	5.4	0.03	5.4	0.03
Myo-inositol	18.02	0.1	18.02	0.1	18.02	0.1
Niacinamide	0.04	0.0003	0.04	0.0003	0.04	0.0003
Pyridoxine-HCl	0.06	0.0003	0.06	0.0003	0.06	0.0003
Riboflavin	0.04	0.0001	0.04	0.0001	0.04	0.0001
Thiamine-HCl	0.34	0.001	0.34	0.001	0.34	0.001
Thymidine	0.73	0.003	0.73	0.003	0.73	0.003
Vitamin B12	1.357	0.001	1.357	0.001	1.357	0.001
DL- α -Lipoic acid	0.21	0.001	0.21	0.001	0.21	0.001
Linoleic acid	0.09	0.0003	0.09	0.0003	0.09	0.0003
Other						
D-Glucose	1801.6	10	1801.6	10	1801.6	10
Phenol red-Na	1.3	0.0035	1.3	0.0035	1.3	0.0035
Sodium pyruvate	110	0.9996	110	0.9996	110	0.9996
Putrescine-2HCl	0.16	0.001	0.16	0.001	0.16	0.001
Sodium bicarbonate (USP* tested)	Add 1176	Add 13.9983	Add 1176	Add 13.9983	Add 1176	Add 13.9983

* United States Pharmacopeia

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