



Formulation 29-1320-08 AB

Cell culture

HyClone™ classical media

Ham's Nutrient Mixture F10

Liquid media

Component description	Code number SH30025, SH30311	
	mg/L	mmol/L
Inorganic salts		
Calcium chloride (anhydrous)	33.29	0.3
Copper sulfate-5H ₂ O	0.0025	0.00001
Ferrous sulfate-7H ₂ O	0.83	0.003
Potassium chloride	285	3.8229
Potassium phosphate monobasic (anhydrous)	83	0.6099
Magnesium sulfate (anhydrous)	74.64	0.6199
Sodium chloride	7400	126.6256
Sodium phosphate dibasic (anhydrous)	153.58	1.0819
Zinc sulfate-7H ₂ O	0.03	0.0001
Amino acids		
L-Alanine	8.91	0.1
L-Arginine-HCl	211	1.0016
L-Asparagine-H ₂ O	15	0.0999
L-Aspartic acid	13.3	0.0999
L-Cysteine	25	0.2063
L-Glutamic acid	14.7	0.0999
L-Glutamine	146.2	1.0003
Glycine	7.51	0.1
L-Histidine-HCl-H ₂ O	23	0.1097
L-Isoleucine	2.6	0.0198
L-Leucine	13.1	0.0999
L-Lysine-HCl	29.3	0.1604
L-Methionine	4.48	0.03
L-Phenylalanine	4.96	0.03
L-Proline	11.5	0.0999
L-Serine	10.5	0.0999
L-Threonine	3.57	0.03
L-Tryptophan	0.6	0.0029
L-Tyrosine-2Na-2H ₂ O	2.61	0.01
L-Valine	3.5	0.0299
Vitamins		
D-Biotin	0.02	0.0001
Calcium D-pantothenate	0.71	0.0015
Choline chloride	0.70	0.005
Folic acid	1.32	0.003
Hypoxanthine-2Na	5.4	0.03
Myo-inositol	0.54	0.003
Niacinamide	0.61	0.005
Pyridoxine-HCl	0.2	0.001
Riboflavin	0.38	0.001
Thiamine-HCl	1.01	0.003
Thymidine	0.73	0.003
Vitamin B12	1.36	0.001
DL- α -Lipoic acid	0.2	0.001
Other		
D-Glucose	1100	6.1057
Phenol red-Na	1.3	0.0035
Sodium pyruvate	110	0.9996
Sodium bicarbonate	1200	14.284

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