

HyClone classical media

CELL CULTURE

Medium 199 Earle's Liquid media

Component description	Code number SH30253		Code number SH30233		Code number SH30330	
	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
Inorganic salts						
Calcium chloride (anhydrous)	200	1.8021	140	1.2615	140	1.2615
Ferric nitrate-9H ₂ O	0.72	0.0018	0.72	0.0018	0.72	0.0018
Potassium chloride	400	5.3655	400	5.3655	400	5.3655
Sodium chloride	6800	116.3587	8000	136.8925	8000	136.8925
Sodium acetate-3H ₂ O	83	0.6099	50	0.3674	50	0.3674
Sodium phosphate monobasic H ₂ O	140	1.0146	60	0.4409	60	0.4409
Magnesium sulfate (anhydrous)	97.67	0.8112	97.67	0.8112	97.67	0.8112
Sodium phosphate dibasic (anhydrous)	0	0	48	0.3381	48	0.3381
Amino acids						
L-Alanine	25	0.2806	25	0.2806	25	0.2806
L-Arginine-HCl	70	0.3323	70	0.3323	70	0.3323
L-Aspartic acid	30	0.2254	30	0.2254	30	0.2254
L-Cysteine-HCl-H ₂ O	0.11	0.0006	0.11	0.0006	0.11	0.0006
L-Cystine-2HCl	26	0.083	26	0.083	26	0.083
L-Glutamic acid	66.82	0.4542	75	0.5098	75	0.5098
L-Glutamine	100	0.6842	100	0.6842	100	0.6842
Glycine	50	0.666	50	0.666	50	0.666
L-Histidine-HCl-H ₂ O	21.88	0.1044	21.88	0.1044	21.88	0.1044
Hydroxy-L-proline	10	0.0763	10	0.0763	10	0.0763
L-Isoleucine	20	0.1525	20	0.1525	20	0.1525
L-Leucine	60	0.4574	60	0.4574	60	0.4574
L-Lysine-HCl	70	0.3832	70	0.3832	70	0.3832
L-Methionine	15	0.1005	15	0.1005	15	0.1005
L-Phenylalanine	25	0.1513	25	0.1513	25	0.1513
L-Proline	40	0.3474	40	0.3474	40	0.3474
L-Serine	25	0.2379	25	0.2379	25	0.2379
L-Threonine	30	0.2518	30	0.2518	30	0.2518
L-Tryptophan	10	0.049	10	0.049	10	0.049
L-Tyrosine-2Na-2H ₂ O	57.66	0.2208	57.88	0.2216	57.88	0.2216
L-Valine	25	0.2134	25	0.2134	25	0.2134

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Vitamins						
L-Ascorbic acid	0.05	0.0003	0.05	0.0003	0.05	0.0003
D-Biotin	0.01	0.00004	0.01	0.0004	0.01	0.0004
Calcium D-pantothenate	0.01	0.00002	0.01	0.00002	0.01	0.00002
Choline chloride	0.5	0.0036	0.05	0.0036	0.05	0.0036
Folic acid	0.01	0.00002	0.01	0.00002	0.01	0.00002
Myo-inositol	0.05	0.0003	0.05	0.0003	0.05	0.0003
Niacin	0.03	0.0002	0.03	0.0002	0.03	0.0002
Niacinamide	0.03	0.0002	0.03	0.0002	0.03	0.0002
Pyridoxal hydrochloride	0.03	0.0001	0.03	0.0001	0.03	0.0001
Pyridoxine-HCl	0.03	0.0001	0.03	0.0001	0.03	0.0001
Riboflavin	0.01	0.00003	0.01	0.00003	0.01	0.00003
Thiamine-HCl	0.01	0.00003	0.01	0.00003	0.01	0.00003
DL- α -Tocopherol-PO ₄ -2Na	0.01	0.00002	0.01	0.00002	0.01	0.00002
Vitamin D2-ergocalciferol	0.1	0.0003	0.1	0.0003	0.1	0.0003
Menadione	0.01	0.0001	0.01	0.0001	0.01	0.0001
Vitamin A acetate	0.14	0.0004	0.14	0.0004	0.14	0.0004
Other						
Adenine sulfate dihydrate	10	0.0247	10	0.0247	10	0.0247
ATP-2Na	1	0.0017	1	0.0017	1	0.0017
AMP	0.2	0.0005	0.2	0.0005	0.2	0.0005
2-Deoxy-D-ribose	0.5	0.0037	0.5	0.0037	0.5	0.0037
Guanine-HCl	0.3	0.0016	0.3	0.0016	0.3	0.0016
Hypoxanthine-2Na	0.40	0.0022	0.3	0.0017	0.3	0.0017
D-Glucose (anhydrous)	1000	5.5506	1000	5.5506	1000	5.5506
D-Ribose	0.5	0.0033	0.5	0.0033	0.5	0.0033
Thymine	0.3	0.0024	0.3	0.0024	0.3	0.0024
Uracil	0.3	0.0027	0.3	0.0027	0.3	0.0027
Xanthine-Na	0.34	0.0018	0.3	0.0016	0.3	0.0016
L-Glutathione (reduced)	0.05	0.0002	0.05	0.0002	0.05	0.0002
Phenol red-Na	21.3	0.0566	20	0.0531	20.00	0.05
para-Aminobenzoic acid	0.05	0.0004	0.05	0.0004	0.05	0.0004
Cholesterol	0.2	0.0005	0.2	0.0005	0.2	0.0005
Tween™ 80	19	N/A	19	N/A	19	N/A
Sodium bicarbonate	2200	26.1874	350	4.1662	350	4.1662

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