



HyClone™ classical media

RPMI 1640 Medium Dry powdered media

Component description	Code number SH30011, SH30306		Code number SH30012		Code number SH30057		Code number SH30197	
	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
Inorganic salts								
Calcium-(NO ₃) ₂ -4H ₂ O	100	0.4235	100	0.4235	100	0.4235	100	0.4235
Potassium chloride	400	5.3655	400	5.3655	400	5.3655	400	5.3655
Magnesium sulfate (anhydrous)	48.84	0.4056	48.84	0.4056	48.84	0.4056	48.84	0.4056
Sodium chloride	6000	102.6694	6000	102.6694	6000	102.6694	6000	102.6694
Sodium phosphate dibasic (anhydrous)	800	5.6354	0	0	800	5.6354	800	5.6354
Sodium phosphate monobasic H ₂ O	0	0	778.4	5.641	0	0	0	0
Sodium succinate 6H ₂ O	0	0	0	0	0	0	0	0
Succinic acid	0	0	0	0	0	0	0	0
Amino acids								
L-Arginine	200	1.1481	242	1.1488	200	1.1481	200	1.1481
L-Asparagine (anhydrous)	50	0.3784	50	0.3784	50	0.3784	50	0.3784
L-Aspartic acid	20	0.1503	20	0.1503	20	0.1503	20	0.1503
L-Cystine-2HCl	65.15	0.208	65.15	0.208	65.15	0.208	65.15	0.208
L-Glutamic acid	20	0.1359	20	0.1359	20	0.1359	20	0.1359
L-Glutamine	300	2.0527	300	2.0527	0	0	300	2.0527
Glycine	10	0.1332	10	0.1332	10	0.1332	10	0.1332
L-Histidine FB	15	0.0967	0	0	15	0.0967	15	0.0967
L-Histidine-HCl-H ₂ O	0	0	20.3	0.0968	0	0	0	0
Hydroxy-L-proline	20	0.1525	30	0.2288	20	0.1525	20	0.1525
L-Isoleucine	50	0.3812	50	0.3812	50	0.3812	50	0.3812
L-Leucine	50	0.3812	50	0.3812	50	0.3812	50	0.3812
L-Lysine-HCl	40	0.219	40	0.219	40	0.219	40	0.219
L-Methionine	15	0.1005	15	0.1005	15	0.1005	15	0.1005
L-Phenylalanine	15	0.0908	15	0.0908	15	0.0908	15	0.0908
L-Proline	20	0.1737	20	0.1737	20	0.1737	20	0.1737
L-Serine	30	0.2855	30	0.2855	30	0.2855	30	0.2855
L-Threonine	20	0.1679	20	0.1679	20	0.1679	20	0.1679
L-Tryptophan	5	0.0245	5	0.0245	5	0.0245	5	0.0245
L-Tyrosine-2Na-2H ₂ O	28.83	0.1104	28.83	0.1104	28.83	0.1104	28.83	0.1104
L-Valine	20	0.1707	20	0.1707	20	0.1707	20	0.1707
Vitamins								
D-Biotin	0.2	0.0008	0.2	0.0008	0.2	0.0008	0.2	0.0008
Calcium D-pantothenate	0.25	0.0005	0.25	0.0005	0.25	0.0005	0.25	0.0005
Choline bitartrate	0	0	0	0	0	0	0	0
Choline chloride	3	0.0215	3	0.0215	3	0.0215	3	0.0215
Folic acid	1	0.0023	1	0.0023	1	0.0023	1	0.0023
Myo-inositol	35	0.1943	35	0.1943	35	0.1943	35	0.1943
Niacinamide	1	0.0082	1	0.0082	1	0.0082	1	0.0082
Pyridoxine-HCl	1	0.0049	1	0.0049	1	0.0049	1	0.0049
Riboflavin	0.2	0.0005	0.2	0.0005	0.2	0.0005	0.2	0.0005
Thiamine-HCl	1	0.003	1	0.003	1	0.003	1	0.003
Vitamin B12	0.005	0.000004	0.005	0.000004	0	0	0	0
Other								
D-Glucose (anhydrous)	2000	11.1012	2000	11.1012	2000	11.1012	2000	11.1012
para-Aminobenzoic acid	1	0.0073	1	0.0073	1	0.0073	1	0.0073
L-Glutathione (reduced)	1	0.0033	1	0.0033	1	0.0033	1	0.0033
Phenol red-Na	5.3	0.0141	5.3	0.0141	5.3	0.0141	0	0
HEPES	0	0	0	0	0	0	0	0
Sodium bicarbonate	Add 2000	Add 23.8066	Add 2000	Add 23.8066	Add 2000	Add 23.8066	Add 2000	Add 23.8066

RPMI 1640 Medium
Dry powdered media

Component description	Code number SH30328		Code number SH30376		Code number SH30537	
	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
Inorganic salts						
Calcium-(NO ₃) ₂ -4H ₂ O	100	0.4235	100	0.4235	100	0.4235
Potassium chloride	400	5.3655	400	5.3655	400	5.3655
Magnesium sulfate (anhydrous)	48.84	0.4056	48.84	0.4056	48.84	0.4056
Sodium chloride	6000	102.6694	6000	102.6694	6000	102.6694
Sodium phosphate dibasic (anhydrous)	800	5.6354	800	5.6354	800	5.6354
Sodium phosphate monobasic H ₂ O	0	0	0	0	0	0
Sodium succinate 6H ₂ O	100	0.3702	0	0	0	0
Succinic acid	75	0.6351	0	0	0	0
Amino acids						
L-Arginine	200	1.1481	200	1.1481	200	1.1481
L-Asparagine (anhydrous)	50	0.3784	50	0.3784	50	0.3784
L-Aspartic acid	20	0.1503	20	0.1503	20	0.1503
L-Cystine-2HCl	65.15	0.208	65.15	0.208	65.15	0.208
L-Glutamic acid	20	0.1359	20	0.1359	20	0.1359
L-Glutamine	0	0	0	0	300	2.0527
Glycine	10	0.1332	10	0.1332	10	0.1332
L-Histidine FB	15	0.0967	15	0.0967	15	0.0967
L-Histidine-HCl-H ₂ O	0	0	0	0	0	0
Hydroxy-L-proline	20	0.1525	20	0.1525	20	0.1525
L-Isoleucine	50	0.3812	50	0.3812	50	0.3812
L-Leucine	50	0.3812	50	0.3812	50	0.3812
L-Lysine-HCl	40	0.219	40	0.219	40	0.219
L-Methionine	15	0.1005	15	0.1005	15	0.1005
L-Phenylalanine	15	0.0908	15	0.0908	15	0.0908
L-Proline	20	0.1737	20	0.1737	20	0.1737
L-Serine	30	0.2855	30	0.2855	30	0.2855
L-Threonine	20	0.1679	20	0.1679	20	0.1679
L-Tryptophan	5	0.0245	5	0.0245	5	0.0245
L-Tyrosine-2Na-2H ₂ O	28.83	0.1104	28.83	0.1104	28.83	0.1104
L-Valine	20	0.1707	20	0.1707	20	0.1707
Vitamins						
D-Biotin	0.2	0.0008	0.2	0.0008	0.2	0.0008
Calcium D-pantothenate	0.25	0.0005	0.25	0.0005	0.25	0.0005
Choline bitartrate	5.44	0.0215	0	0	0	0
Choline chloride	0	0	3	0.0215	3	0.0215
Folic acid	1	0.0023	1	0.0023	1	0.0023
Myo-inositol	35	0.1943	35	0.1943	35	0.1943
Niacinamide	1	0.0082	1	0.0082	1	0.0082
Pyridoxine-HCl	1	0.0049	1	0.0049	1	0.0049
Riboflavin	0.2	0.0005	0.2	0.0005	0.2	0.0005
Thiamine-HCl	1	0.003	1	0.003	1	0.003
Vitamin B12	0	0	0	0	0.005	0.000004
Other						
D-Glucose (anhydrous)	2000	11.1012	2000	11.1012	2000	11.1012
para-Aminobenzoic acid	1	0.0073	1	0.0073	1	0.0073
L-Glutathione (reduced)	1	0.0033	1	0.0033	1	0.0033
Phenol red-Na	3.18	0.0084	0	0	5.3	0.0141
HEPES	0	0	0	0	5958	25.0021
Sodium bicarbonate	Add 2000	Add 23.8066	Add 2000	Add 23.8066	Add 2000	Add 23.8066

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