

HyClone™ classical media

CELL CULTURE

Dulbecco's Modified Eagle's Medium – Low Glucose Dry powdered media

Component description	Code number SH30002, SH30299		Code number SH30044	
	mg/L	mmol/L	mg/L	mmol/L
Inorganic salts				
Calcium chloride	200	1.8021	200	1.8021
Ferric nitrate-9H ₂ O	0.1	0.0002	0.1	0.0002
Potassium chloride	400	5.3655	400	5.3655
Magnesium sulfate	97.67	0.8112	97.67	0.8112
Sodium chloride	6400	109.514	6400	109.514
Sodium phosphate monobasic H ₂ O	125	0.9059	125	0.9059
Amino acids				
L-Arginine-HCl	84	0.3987	84	0.3987
L-Cystine-2HCl	62.57	0.1998	62.57	0.1998
L-Glutamine	584	3.9959	584	3.9959
Glycine	30	0.3996	30	0.3996
L-Histidine-HCl-H ₂ O	42	0.2004	42	0.2004
L-Isoleucine	104.8	0.7989	104.8	0.7989
L-Leucine	104.8	0.7990	104.8	0.7990
L-Lysine-HCl	146.2	0.8004	146.2	0.8004
L-Methionine	30	0.2011	30	0.2011
L-Phenylalanine	66	0.3995	66	0.3995
L-Serine	42	0.3997	42	0.3997
L-Threonine	95.2	0.7992	95.2	0.7992
L-Tryptophan	16	0.0783	16	0.0783
L-Tyrosine-2Na-2H ₂ O	103.79	0.3974	103.79	0.3974
L-Valine	93.6	0.7990	93.6	0.7990

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Vitamins				
Calcium D-pantothenate	4	0.0084	4	0.0084
D-pantothenic acid Na salt	0	0	0	0
Choline chloride	4	0.0286	4	0.0286
Folic acid	4	0.0091	4	0.0091
Myo-inositol	7	0.0389	7	0.0389
Niacinamide	4	0.0328	4	0.0328
Pyridoxine-HCl	4	0.0195	4	0.0195
Riboflavin	0.4	0.0011	0.4	0.0011
Thiamine-HCl	4	0.0119	4	0.0119
Other				
D-Glucose	1000	5.5506	1000	5.5506
HEPES	0	0	0	0
Phenol red-Na	15.9	0.0422	0	0
Sodium pyruvate	110	0.9996	110	0.9996
Sodium bicarbonate*	Add 3700	Add 44.0424	Add 3700	Add 44.0424

*Must be added during hydration. Please see Table 1 in datafile CY13710 for concentration and amount.

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