

# HyClone™ classical media

## CELL CULTURE

### Dulbecco's Modified Eagle's Medium - High Glucose, Dry powdered media

Component description	Product code SH30003, SH30300		Product code SH30045		Product code SH30053	
	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
<b>Inorganic salts</b>						
Calcium chloride	200	1.8021	200	1.8021	200	1.8021
Ferric nitrate-9H <sub>2</sub> O	0.1	0.0002	0.1	0.0002	0.1	0.0002
Potassium chloride	400	5.3655	400	5.3655	400	5.3655
Magnesium sulfate	97.67	0.8112	97.67	0.8112	97.67	0.8112
Sodium chloride	6400	109.514	6400	109.514	6400	109.514
Sodium phosphate monobasic H <sub>2</sub> O	125	0.9059	125	0.9059	125	0.9059
<b>Amino acids</b>						
L-Arginine-HCl	84	0.3987	84	0.3987	84	0.3987
L-Cystine-2HCl	62.57	0.1998	62.57	0.1998	62.57	0.1998
L-Glutamine	584	3.9959	584	3.9959	0	0
Glycine	30	0.3996	30	0.3996	30	0.3996
L-Histidine-HCl-H <sub>2</sub> O	42	0.2004	42	0.2004	42	0.2004
L-Isoleucine	104.8	0.7989	104.8	0.7989	104.8	0.7989
L-Leucine	104.8	0.7990	104.8	0.7990	104.8	0.7990
L-Lysine-HCl	146.2	0.8004	146.2	0.8004	146.2	0.8004
L-Methionine	30	0.2011	30	0.2011	30	0.2011
L-Phenylalanine	66	0.3995	66	0.3995	66	0.3995
L-Serine	42	0.3997	42	0.3997	42	0.3997
L-Threonine	95.2	0.7992	95.2	0.7992	95.2	0.7992
L-Tryptophan	16	0.0783	16	0.0783	16	0.0783
L-Tyrosine-2Na-2H <sub>2</sub> O	103.79	0.3974	103.79	0.3974	103.79	0.3974
L-Valine	93.6	0.7990	93.6	0.7990	93.6	0.7990
<b>Vitamins</b>						
Calcium D-pantothenate	4	0.0084	4	0.0084	4	0.0084
D-pantothenic acid Na salt	0	0	0	0	0	0
Choline chloride	4	0.0286	4	0.0286	4	0.0286
Folic acid	4	0.0091	4	0.0091	4	0.0091
Myo-inositol	7	0.0389	7	0.0389	7	0.0389
Niacinamide	4	0.0328	4	0.0328	4	0.0328
Pyridoxine-HCl	4	0.0195	4	0.0195	4	0.0195
Riboflavin	0.4	0.0011	0.4	0.0011	0.4	0.0011
Thiamine-HCl	4	0.0119	4	0.0119	4	0.0119
<b>Other</b>						
D-Glucose	4500	24.9778	4500	24.9778	4500	24.9778
HEPES	0	0	0	0	0	0
Phenol red-Na	15.9	0.0422	15.9	0.0422	15.9	0.0422
Sodium pyruvate	0	0	110	0.9996	0	0
Sodium bicarbonate	Add 3700	Add 44.0424	Add 3700	Add 44.0424	Add 3700	Add 44.0424

# Dulbecco's Modified Eagle's Medium - High Glucose, Dry powdered media

Component description	Product code SH30211, SH30347		Product code SH30346		Product code SH30348		Product code SH30383	
	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L	mg/L	mmol/L
<b>Inorganic salts</b>								
Calcium chloride	200	1.8021	0	0	200	1.8021	200	1.8021
Ferric nitrate-9H <sub>2</sub> O	0.1	0.0002	0.1	0.0002	0.1	0.0002	0.1	0.0002
Potassium chloride	400	5.3655	400	5.3655	400	5.3655	400	5.3655
Magnesium sulfate	97.67	0.8112	0	0	97.67	0.8112	97.67	0.8112
Sodium chloride	6400	109.514	6400	109.514	6400	109.514	6400	109.514
Sodium phosphate monobasic H <sub>2</sub> O	125	0.9059	125	0.9059	125	0.9059	125	0.9059
<b>Amino acids</b>								
L-Arginine-HCl	84	0.3987	84	0.3987	84	0.3987	84	0.3987
L-Cystine-2HCl	62.57	0.1998	62.57	0.1998	62.57	0.1998	62.57	0.1998
L-Glutamine	584	3.9959	0	0	584	3.9959	0	0
Glycine	30	0.3996	30	0.3996	30	0.3996	30	0.3996
L-Histidine-HCl-H <sub>2</sub> O	42	0.2004	42	0.2004	42	0.2004	42	0.2004
L-Isoleucine	104.8	0.7989	104.8	0.7989	104.8	0.7989	104.8	0.7989
L-Leucine	104.8	0.7990	104.8	0.7990	104.8	0.7990	104.8	0.7990
L-Lysine-HCl	146.2	0.8004	146.2	0.8004	146.2	0.8004	146.2	0.8004
L-Methionine	30	0.2011	30	0.2011	30	0.2011	30	0.2011
L-Phenylalanine	66	0.3995	66	0.3995	66	0.3995	66	0.3995
L-Serine	42	0.3997	42	0.3997	42	0.3997	42	0.3997
L-Threonine	95.2	0.7992	95.2	0.7992	95.2	0.7992	95.2	0.7992
L-Tryptophan	16	0.0783	16	0.0783	16	0.0783	16	0.0783
L-Tyrosine-2Na-2H <sub>2</sub> O	103.79	0.3974	103.79	0.3974	103.79	0.3974	103.79	0.3974
L-Valine	93.6	0.7990	93.6	0.7990	93.6	0.7990	93.6	0.7990
<b>Vitamins</b>								
Calcium D-pantothenate	4	0.0084	0	0	4	0.0084	4	0.0084
D-pantothenic acid Na salt	0	0	4	0.01833	0	0	0	0
Choline chloride	4	0.0286	4	0.0286	4	0.0286	4	0.0286
Folic acid	4	0.0091	4	0.0091	4	0.0091	4	0.0091
Myo-inositol	7	0.0389	7	0.0389	7	0.0389	7	0.0389
Niacinamide	4	0.0328	4	0.0328	4	0.0328	4	0.0328
Pyridoxine-HCl	4	0.0195	4	0.0195	4	0.0195	4	0.0195
Riboflavin	0.4	0.0011	0.4	0.0011	0.4	0.0011	0.4	0.0011
Thiamine-HCl	4	0.0119	4	0.0119	4	0.0119	4	0.0119
<b>Other</b>								
D-Glucose	4500	24.9778	4500	24.9778	4500	24.9778	4500	24.9778
HEPES	0	0	0	0	0	0	0	0
Phenol red-Na	0	0	15.9	0.0422	15.9	0.0422	15.9	0.0422
Sodium pyruvate	0	0	0	0	0	0	0	0
Sodium bicarbonate	Add 3700	44.0424	Add 3700	44.0424	Add 3700	44.0424	Add 3700	44.0424

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