



# HyClone™ classical media

## Dulbecco's Modified Eagle's Medium - High Glucose Liquid media

Component description	Code number SH30019		Code number SH30022, SH30308		Code number SH30081, SH30315		Code number SH30243, SH30317	
	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	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	0.1	0.0002
Potassium chloride	400	5.3655	400	5.3655	400	5.3655	400	5.3655
Magnesium sulfate	97.67	0.8112	97.67	0.8112	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	584	3.9959	0	0	584	3.9959
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	4	0.0084	4	0.0084	4	0.0084
D-Pantothenic acid Na salt	0	0	0	0	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	15.9	0.0422	15.9	0.0422	15.9	0.0422	15.9	0.0422
Sodium pyruvate	0	0	0	0	0	0	110	0.9996
Sodium bicarbonate	3700	44.0424	3700	44.0424	3700	44.0424	3700	44.0424

## Dulbecco's Modified Eagle's Medium - High Glucose

### Liquid media

Component description	Code number SH30249		Code number SH30262, SH30319		Code number SH30284		Code number SH30285, SH30320	
	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	4750	81.2799	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	0.0166	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	5958	25.002	0	0	0	0	0	0
Phenol red-Na	15.9	0.0422	15.9	0.0422	0	0	15.9	0.0422
Sodium pyruvate	0	0	0	0	0	0	110	0.9996
Sodium bicarbonate	3700	44.0424	3700	44.0424	3700	44.0424	3700	44.0424

## Dulbecco's Modified Eagle's Medium - High Glucose

### Liquid media

Component description	Code number SH30563		Code number SH30585		Code number SH30604		Code number SH30606	
	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	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	0.1	0.0002
Potassium chloride	400	5.3655	400	5.3655	400	5.3655	400	5.3655
Magnesium sulfate	97.67	0.8112	97.67	0.8112	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	0	0
L-Glutamine	0	0	0	0	0	0	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	0	0
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	4	0.0084	4	0.0084	4	0.0084
D-Pantothenic acid Na salt	0	0	0	0	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	5958	25.002	0	0	0	0	0	0
Phenol red-Na	15.9	0.0422	0	0	0	0	15.9	0.0422
Sodium pyruvate	110	0.9996	0	0	110	0.9996	110	0.9996
Sodium bicarbonate	3700	44.0424	3700	44.0424	3700	44.0424	3700	44.0424

## Dulbecco's Modified Eagle's Medium - High Glucose Liquid media

Component description	Code number SH30607	
	mg/L	mmol/L
<b>Inorganic salts</b>		
Calcium chloride	200	1.8021
Ferric nitrate-9H <sub>2</sub> O	0.1	0.0002
Potassium chloride	400	5.3655
Magnesium sulfate	97.67	0.8112
Sodium chloride	6400	109.514
Sodium phosphate monobasic H <sub>2</sub> O	0	0
<b>Amino acids</b>		
L-Arginine-HCl	84	0.3987
L-Cystine-2HCl	62.57	0.1998
L-Glutamine	0	0
Glycine	30	0.3996
L-Histidine-HCl-H <sub>2</sub> O	42	0.2004
L-Isoleucine	104.8	0.7989
L-Leucine	104.8	0.7990
L-Lysine-HCl	146.2	0.8004
L-Methionine	30	0.2011
L-Phenylalanine	66	0.3995
L-Serine	42	0.3997
L-Threonine	95.2	0.7992
L-Tryptophan	16	0.0783
L-Tyrosine-2Na-2H <sub>2</sub> O	103.79	0.3974
L-Valine	93.6	0.7990
<b>Vitamins</b>		
Calcium D-pantothenate	4	0.0084
D-Pantothenic acid Na salt	0	0
Choline chloride	4	0.0286
Folic acid	4	0.0091
Myo-inositol	7	0.0389
Niacinamide	4	0.0328
Pyridoxine-HCl	4	0.0195
Riboflavin	0.4	0.0011
Thiamine-HCl	4	0.0119
<b>Other</b>		
D-Glucose	4500	24.9778
HEPES	0	0
Phenol red-Na	15.9	0.0422
Sodium pyruvate	110	0.9996
Sodium bicarbonate	3700	44.0424

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GE Healthcare UK Limited, Amersham Place, Little Chalfont, Buckinghamshire, HP7 9NA, UK

GE Healthcare Europe, GmbH, Munzinger Strasse 5, D-79111 Freiburg, Germany

GE Healthcare Bio-Sciences Corp., 800 Centennial Avenue, P.O. Box 1327, Piscataway, NJ 08855-1327, USA

GE Healthcare Japan Corporation, Sanken Bldg., 3-25-1, Hyakunincho, Shinjuku-ku, Tokyo 169-0073, Japan

For local office contact information, visit [www.gelifesciences.com/contact](http://www.gelifesciences.com/contact)

GE Healthcare Bio-Sciences AB  
Björkgatan 30  
751 84 Uppsala  
Sweden

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