

DMEM (Low glucose) medium ingredient formula (mg/L)

Ingredient \ Cat. No.	EP-CM-L0063	EP-CM-L0064	EP-CM-L0065	EP-CM-L0066	EP-CM-L0067	EP-CM-L0068
Inorganic salt						
CaCl ₂ (Anhydrous)	200	200	200	200	200	200
Fe(NO ₃) ₃ •9H ₂ O	0.1	0.1	0.1	0.1	0.1	0.1
MgSO ₄ (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400
NaHCO ₃	3700	3700	3700	3700	3700	3700
NaCl	6400	6400	4750	4750	6400	6400
NaH ₂ PO ₄ (Anhydrous)	109	109	109	109	109	109
Amino acid						
L-Alanyl-L-glutamine	–	–	–	–	–	–
Glycine	30	30	30	30	30	30
L-Arginine monohydrochloride	84	84	84	84	84	84
L-Cystine dihydrochloride	62.6	62.6	62.6	62.6	62.6	62.6
L-Glutamine	584	584	584	584	584	–
L-Histidine hydrochloride monohydrate	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105
L-Lysine monohydrochloride	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16
L-Tyrosine disodium salt dihydrate	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94	94
Vitamin						
Choline chloride	4	4	4	4	4	4
D-Calcium pantothenate	4	4	4	4	4	4
Folic acid	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4
Pyridoxine hydrochloride	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4

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Thiamine hydrochlorid	4	4	4	4	4	4
Meso-inositol	7.2	7.2	7.2	7.2	7.2	7.2
Others						
D-Glucose	1000	1000	1000	1000	1000	1000
Sodium pyruvate	110	110	110	110	–	110
HEPES	–	–	5958	5958	–	–
Phenol red	15	15	15	15	15	15
Penicillin G sodium salt	–	100kU	–	100kU	–	–
Streptomycin sulfate	–	100	–	100	–	–

Ingredient \Cat. No.	EP-CM-L0070	EP-CM-L0071	EP-CM-L0073	EP-CM-L0075	EP-CM-L0077
Inorganic salt					
CaCl ₂ (Anhydrous)	200	200	200	200	200
Fe(NO ₃) ₃ •9H ₂ O	0.1	0.1	0.1	0.1	0.1
MgSO ₄ (Anhydrous)	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400
NaHCO ₃	3700	3700	3700	3700	3700
NaCl	4750	4750	6400	6400	4750
NaH ₂ PO ₄ (Anhydrous)	109	109	109	109	109
Amino acid					
L-Alanyl-L-glutamine	–	–	–	–	–
Glycine	30	30	30	30	30
L-Arginine monohydrochloride	84	84	84	84	84
L-Cystine dihydrochloride	62.6	62.6	62.6	62.6	62.6
L-Glutamine	584	–	584	584	584
L-Histidine hydrochloride monohydrate	42	42	42	42	42
L-Isoleucine	105	105	105	105	105
L-Leucine	105	105	105	105	105
L-Lysine monohydrochloride	146	146	146	146	146
L-Methionine	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66
L-Serine	42	42	42	42	42
L-Threonine	95	95	95	95	95
L-Tryptophan	16	16	16	16	16
L-Tyrosine disodium salt dihydrate	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94
Vitamin					
Choline chloride	4	4	4	4	4

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D-Calcium pantothenate	4	4	4	4	4
Folic acid	4	4	4	4	4
Niacinamide	4	4	4	4	4
Pyridoxine hydrochloride	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4
Thiamine hydrochlorid	4	4	4	4	4
Meso-inositol	7.2	7.2	7.2	7.2	7.2
Others					
D-Glucose	1000	1000	1000	1000	1000
Sodium pyruvate	–	110	110	–	110
HEPES	5958	5958	–	–	5958
Phenol red	15	15	–	–	–
Penicillin G sodium salt	–	–	–	–	–
Streptomycin sulfate	–	–	–	–	–