

**DMEM (High\_glucose) Medium Ingredient Formula\_Table 1**

Ingredient(mg/L) / Cat. No.	PM150210	PM150210A	PM150212	PM150212A	PM150213	PM150213A	PM150215
<b>Inorganic Salt</b>							
CaCl <sub>2</sub> (Anhydrous)	200	200	200	200	200	200	200
Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MgSO <sub>4</sub> (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400
NaHCO <sub>3</sub>	3700	3700	3700	3700	3700	3700	3700
NaCl	6400	6400	6400	6400	6400	6400	6400
NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O	125	125	125	125	125	125	125
<b>Amino Acid</b>							
L-Alanyl-L-Glutamine	–	–	–	–	–	–	–
Glycine	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	84	84
L-Cystine 2HCl	63	63	63	63	63	63 <sup>®</sup>	63
L-Glutamine	584	584	584	584	–	–	–
L-Histidine Hydrochloride-H <sub>2</sub> O	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105	105
L-Lysine Hydrochloride	146	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt Dihydrate	104	104	104	104	104	104	104
L-Valine	94	94	94	94	94	94	94
<b>Vitamin</b>							
Choline Chloride	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4 <sup>®</sup>	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4
Meso-inositol	7.2	7.2	7.2	7.2	7.2	7.2	7.2
<b>Others</b>							
D-Glucose	4500	4500	4500	4500	4500	4500	4500
Sodium Pyruvate	110	110	–	–	110	110	–
HEPES	–	–	–	–	–	–	–
Phenol Red	15	15	15	15	15	15	15
Penicillin G Sodium Salt	–	100 kU	–	100 kU	–	100 kU	–
Streptomycin Sulfate	–	100	–	100	–	100	–

**DMEM (High\_glucose) Medium Ingredient Formula\_Table 2**

Ingredient(mg/L) / Cat. No.	PM150216	PM150216A	PM150217	PM150218	PM150219	PM150223	PM150224
<b>Inorganic Salt</b>							
CaCl2 (Anhydrous)	200	200	200	200	200	200	200
Fe(NO3)3·9H2O	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MgSO4 (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400
NaHCO3	3700	3700	3700	3700	3700	3700	3700
NaCl	4750	4750	4750	4750	4750	6400	6400
NaH2PO4-H2O	125	125	125	125	125	125	125
<b>Amino Acid</b>							
L-Alanyl-L-Glutamine	-	-	-	-	-	-	-
Glycine	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	84	84
L-Cystine 2HCl	63	63	63	63	63	63	63
L-Glutamine	584	584	584	-	-	584	-
L-Histidine Hydrochloride-H2O	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105	105
L-Lysine Hydrochloride	146	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt Dihydrate	104	104	104	104	104	104	104
L-Valine	94	94	94	94	94	94	94
<b>Vitamin</b>							
Choline Chloride	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4
Meso-inositol	7.2	7.2	7.2	7.2	7.2	7.2	7.2
<b>Others</b>							
D-Glucose	4500	4500	4500	4500	4500	4500	4500
Sodium Pyruvate	-	-	110	110	-	110	110
HEPES	5958	5958	5958	5958	5958	-	-
Phenol Red	15	15	15	15	15	-	-
Penicillin G Sodium Salt	-	100kU	-	-	-	-	-
Streptomycin Sulfate	-	100	-	-	-	-	-

**DMEM (High\_glucose) Medium Ingredient Formula\_Table 3**

Ingredient(mg/L) / Cat. No.	PM150225	PM150211	PM150226	PM150227	PM150228	PM150229	PM150230
<b>Inorganic Salt</b>							
CaCl2 (Anhydrous)	200	200	200	200	200	200	200
Fe(NO3)3·9H2O	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MgSO4 (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400
NaHCO3	3700	3700	3700	3700	3700	3700	3700
NaCl	6400	6400	4750	4750	4750	4750	6400
NaH2PO4-H2O	125	125	125	125	125	125	125
<b>Amino Acid</b>							
L-Alanyl-L-Glutamine	-	-	-	-	-	-	869
Glycine	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	84	84
L-Cystine 2HCl	63	63	63	63	63	63	63
L-Glutamine	584	-	584	-	584	-	-
L-Histidine Hydrochloride-H2O	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105	105
L-Lysine Hydrochloride	146	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt Dihydrate	104	104	104	104	104	104	104
L-Valine	94	94	94	94	94	94	94
<b>Vitamin</b>							
Choline Chloride	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4
Meso-inositol	7.2	7.2	7.2	7.2	7.2	7.2	7.2
<b>Others</b>							
D-Glucose	4500	4500	4500	4500	4500	4500	4500
Sodium Pyruvate	-	-	110	110	-	-	110
HEPES	-	-	5958	5958	5958	5958	-
Phenol Red	-	-	-	-	-	-	15
Penicillin G Sodium Salt	-	-	-	-	-	-	-
Streptomycin Sulfate	-	-	-	-	-	-	-

**DMEM (High\_glucose) Medium Ingredient Formula\_Table 4**

Ingredient(mg/L) / Cat. No.	PM150231	PM150232	PM150233	PM150234	PM150235	PM150236	PM150237
<b>Inorganic Salt</b>							
CaCl2 (Anhydrous)	200	200	200	200	200	200	200
Fe(NO3)3·9H2O	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MgSO4 (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400
NaHCO3	3700	3700	3700	3700	3700	3700	3700
NaCl	6400	6400	6400	4750	4750	4750	4750
NaH2PO4·H2O	125	125	125	125	125	125	125
<b>Amino Acid</b>							
L-Alanyl-L-Glutamine	869	869	869	869	869	869	869
Glycine	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	84	84
L-Cystine 2HCl	63	63	63	63	63	63	63
L-Glutamine	-	-	-	-	-	-	-
L-Histidine Hydrochloride-H2O	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105	105
L-Lysine Hydrochloride	146	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt Dihydrate	104	104	104	104	104	104	104
L-Valine	94	94	94	94	94	94	94
<b>Vitamin</b>							
Choline Chloride	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4
Meso-inositol	7.2	7.2	7.2	7.2	7.2	7.2	7.2
<b>Others</b>							
D-Glucose	4500	4500	4500	4500	4500	4500	4500
Sodium Pyruvate	110	-	-	110	-	110	-
HEPES	-	-	-	5958	5958	5958	5958
Phenol Red	-	15	-	15	15	-	-
Penicillin G Sodium Salt	-	-	-	-	-	-	-
Streptomycin Sulfate	-	-	-	-	-	-	-

**DMEM (High\_glucose) Medium Ingredient Formula\_Table 5**

Ingredient(mg/L) / Cat. No.	PM150238	PM150239	PM150240	PM150241
<b>Inorganic Salt</b>				
CaCl <sub>2</sub> (Anhydrous)	–	200	200	200
Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O	0.1	0.1	0.1	0.1
MgSO <sub>4</sub> (Anhydrous)	–	97.67	97.67	97.67
KCl	400	400	400	400
NaHCO <sub>3</sub>	3700	3700	3700	3700
NaCl	6400	6400	6400	6400
NaH <sub>2</sub> PO <sub>4</sub> -H <sub>2</sub> O	125	125	125	–
<b>Amino Acid</b>				
L-Alanyl-L-Glutamine	–	–	–	–
Glycine	30	30	30	30
L-Arginine Hydrochloride	84	–	84	84
L-Cystine 2HCl	63	63	63	63
L-Glutamine	–	–	–	584
L-Histidine Hydrochloride-H <sub>2</sub> O	42	42	42	42
L-Isoleucine	105	105	105	105
L-Leucine	105	105	105	105
L-Lysine Hydrochloride	146	–	146	146
L-Methionine	30	30	–	30
L-Phenylalanine	66	66	66	66
L-Serine	42	42	42	42
L-Threonine	95	95	95	95
L-Tryptophan	16	16	16	16
L-Tyrosine Disodium Salt Dihydrate	104	104	104	104
L-Valine	94	94	94	94
<b>Vitamin</b>				
Choline Chloride	4	4	4	4
D-Calcium Pantothenate	4	4	4	4
Folic Acid	4	4	4	4
Niacinamide	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4
Meso-inositol	7.2	7.2	7.2	7.2
<b>Others</b>				
D-Glucose	4500	4500	4500	4500
Sodium Pyruvate	–	–	–	–
HEPES	–	–	–	–
Phenol Red	15	15	15	15
Penicillin G Sodium Salt	–	–	–	–
Streptomycin Sulfate	–	–	–	–