

**DMEM (Low Glucose) Medium Ingredient Formula\_Table 1**

Ingredient(mg/L) / Cat. No.	PM150220	PM150220A	PM150222	PM150222A	PM150245	PM150246	PM150247
<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	4750	4750	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	63
L-Glutamine	584	584	584	584	584	–	–
L-Histidine Hydrochloride monohydrate	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	1000	1000	1000	1000	1000	1000	1000
Sodium Pyruvate	110	110	110	110	–	110	–
HEPES	–	–	5958	5958	–	–	–
Phenol Red	15	15	15	15	15	15	15
Penicillin G Sodium Salt	–	100kU	–	100kU	–	–	–
Streptomycin Sulfate	–	100	–	100	–	–	–

**DMEM (Low Glucose) Medium Ingredient Formula\_Table 2**

Ingredient(mg/L) / Cat. No.	PM150248	PM150249	PM150250	PM150251	PM150252	PM150253	PM150244
<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	4750	4750	4750	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	63
L-Glutamine	584	–	–	584	–	584	–
L-Histidine Hydrochloride monohydrate	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	1000	1000	1000	1000	1000	1000	1000
Sodium Pyruvate	–	110	–	110	110	–	–
HEPES	5958	5958	5958	–	–	–	–
Phenol Red	15	15	15	–	–	–	–
Penicillin G Sodium Salt	–	–	–	–	–	–	–
Streptomycin Sulfate	–	–	–	–	–	–	–

**DMEM (Low Glucose) Medium Ingredient Formula\_Table 3**

Ingredient(mg/L) / Cat. No.	PM150254	PM150255	PM150256	PM150257	PM150258	PM150259	PM150260
<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	4750	4750	4750	4750	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	–	–	–	–	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	584	–	584	–	–	–	–
L-Histidine Hydrochloride monohydrate	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	1000	1000	1000	1000	1000	1000	1000
Sodium Pyruvate	110	110	–	–	110	110	–
HEPES	5958	5958	5958	5958	–	–	–
Phenol Red	–	–	–	–	15	–	15
Penicillin G Sodium Salt	–	–	–	–	–	–	–
Streptomycin Sulfate	–	–	–	–	–	–	–

**DMEM (Low Glucose) Medium Ingredient Formula\_Table 4**

Ingredient(mg/L) / Cat. No.	PM150261	PM150262	PM150263	PM150264	PM150265
<b>Inorganic Salt</b>					
CaCl <sub>2</sub> (Anhydrous)	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
MgSO <sub>4</sub> (Anhydrous)	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400
NaHCO <sub>3</sub>	3700	3700	3700	3700	3700
NaCl	6400	4750	4750	4750	4750
NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O	125	125	125	125	125
<b>Amino Acid</b>					
L-Alanyl-L-Glutamine	869	869	869	869	869
Glycine	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84
L-Cystine 2HCl	63	63	63	63	63
L-Glutamine	–	–	–	–	–
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 Hydrochloride	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	104	104	104	104	104
L-Valine	94	94	94	94	94
<b>Vitamin</b>					
Choline Chloride	4	4	4	4	4
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
<b>Others</b>					
D-Glucose	1000	1000	1000	1000	1000
Sodium Pyruvate	–	110	–	110	–
HEPES	–	5958	5958	5958	5958
Phenol Red	–	15	15	–	–
Penicillin G Sodium Salt	–	–	–	–	–
Streptomycin Sulfate	–	–	–	–	–