

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

Ingredient (mg/L) / Cat. No.	PM150210	PM150210A	PM150212	PM150212A	PM150213	PM150213A	PM150215	PM150216
<b>Inorganic Salt</b>								
CaCl <sub>2</sub> (Anhydrous)	200	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	0.1
MgSO <sub>4</sub> (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400	400
NaHCO <sub>3</sub>	3700	3700	3700	3700	3700	3700	3700	3700
NaCl	6400	6400	6400	6400	6400	6400	6400	4750
NaH <sub>2</sub> PO <sub>4</sub> (Anhydrous)	109	109	109	109	109	109	109	109
<b>Amino Acid</b>								
L-Alanyl-L-Glutamine	–	–	–	–	–	–	–	–
Glycine	30	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	84	84	84
L-Cystine Dihydrochloride	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
L-Glutamine	584	584	584	584	–	–	–	584
L-Histidine Hydrochloride	42	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105	105	105
L-Lysine Hydrochloride	146	146	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94	94	94	94
<b>Vitamin</b>								
Choline Chloride	4	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4	4
Meso-inositol	7.2	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	4500
Sodium Pyruvate	110	110	–	–	110	110	–	–
HEPES	–	–	–	–	–	–	–	5958
Phenol Red	15	15	15	15	15	15	15	15
Penicillin G Sodium Salt	–	100kU	–	100kU	–	100kU	–	–
Streptomycin Sulfate	–	100	–	100	–	100	–	–

## DMEM (High Glucose) Ingredient Formula\_Table 2

Ingredient (mg/L) / Cat. No.	PM150216A	PM150217	PM150218	PM150219	PM150223	PM150224	PM150225	PM150211
<b>Inorganic Salt</b>								
CaCl <sub>2</sub> (Anhydrous)	200	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	0.1
MgSO <sub>4</sub> (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400	400
NaHCO <sub>3</sub>	3700	3700	3700	3700	3700	3700	3700	3700
NaCl	4750	4750	4750	4750	6400	6400	6400	6400
NaH <sub>2</sub> PO <sub>4</sub> (Anhydrous)	109	109	109	109	109	109	109	109
<b>Amino Acid</b>								
L-Alanyl-L-Glutamine	–	–	–	–	–	–	–	–
Glycine	30	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	84	84	84
L-Cystine Dihydrochloride	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
L-Glutamine	584	584	–	–	584	–	584	–
L-Histidine Hydrochloride	42	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105	105	105
L-Lysine Hydrochloride	146	146	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt dihydrate	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94	94	94	94
<b>Vitamin</b>								
Choline Chloride	4	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4	4
Meso-inositol	7.2	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	4500
Sodium Pyruvate	–	110	110	–	110	110	–	–
HEPES	5958	5958	5958	5958	–	–	–	–
Phenol Red	15	15	15	15	–	–	–	–
Penicillin G Sodium Salt	100kU	–	–	–	–	–	–	–
Streptomycin Sulfate	100	–	–	–	–	–	–	–

### DMEM (High Glucose) Ingredient Formula\_Table 3

Ingredient (mg/L) / Cat. No.	PM150226	PM150227	PM150228	PM150229	PM150230	PM150231	PM150232	PM150233
<b>Inorganic Salt</b>								
CaCl <sub>2</sub> (Anhydrous)	200	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	0.1
MgSO <sub>4</sub> (Anhydrous)	97.67	97.67	97.67	97.67	97.67	97.67	97.67	97.67
KCl	400	400	400	400	400	400	400	400
NaHCO <sub>3</sub>	3700	3700	3700	3700	3700	3700	3700	3700
NaCl	4750	4750	4750	4750	6400	6400	6400	6400
NaH <sub>2</sub> PO <sub>4</sub> (Anhydrous)	109	109	109	109	109	109	109	109
<b>Amino Acid</b>								
L-Alanyl-L-Glutamine	–	–	–	–	869	869	869	869
Glycine	30	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	84	84	84
L-Cystine Dihydrochloride	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
L-Glutamine	584	–	584	–	–	–	–	–
L-Histidine Hydrochloride	42	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105	105
L-Leucine	105	105	105	105	105	105	105	105
L-Lysine Hydrochloride	146	146	146	146	146	146	146	146
L-Methionine	30	30	30	30	30	30	30	30
L-Phenylalanine	66	66	66	66	66	66	66	66
L-Serine	42	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt dihydrate	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94	94	94	94
<b>Vitamin</b>								
Choline Chloride	4	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4	4
Meso-inositol	7.2	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	4500
Sodium Pyruvate	110	110	–	–	110	110	–	–
HEPES	5958	5958	5958	5958	–	–	–	–
Phenol Red	–	–	–	–	15	–	15	–
Penicillin G Sodium Salt	–	–	–	–	–	–	–	–
Streptomycin Sulfate	–	–	–	–	–	–	–	–

## DMEM (High Glucose) Ingredient Formula\_Table 4

Ingredient (mg/L) / Cat. No.	PM150234	PM150235	PM150236	PM150237	PM150238	PM150239	PM150240	PM150241
<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	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	400
NaHCO <sub>3</sub>	3700	3700	3700	3700	3700	3700	3700	3700
NaCl	4750	4750	4750	4750	6400	6400	6400	6400
NaH <sub>2</sub> PO <sub>4</sub> (Anhydrous)	109	109	109	109	109	109	109	–
<b>Amino Acid</b>								
L-Alanyl-L-Glutamine	869	869	869	869	–	–	–	–
Glycine	30	30	30	30	30	30	30	30
L-Arginine Hydrochloride	84	84	84	84	84	–	84	84
L-Cystine Dihydrochloride	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
L-Glutamine	–	–	–	–	–	–	–	584
L-Histidine Hydrochloride	42	42	42	42	42	42	42	42
L-Isoleucine	105	105	105	105	105	105	105	105
L-Leucine	105	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	66
L-Serine	42	42	42	42	42	42	42	42
L-Threonine	95	95	95	95	95	95	95	95
L-Tryptophan	16	16	16	16	16	16	16	16
L-Tyrosine Disodium Salt dihydrate	103.79	103.79	103.79	103.79	103.79	103.79	103.79	103.79
L-Valine	94	94	94	94	94	94	94	94
<b>Vitamin</b>								
Choline Chloride	4	4	4	4	4	4	4	4
D-Calcium Pantothenate	4	4	4	4	4	4	4	4
Folic Acid	4	4	4	4	4	4	4	4
Niacinamide	4	4	4	4	4	4	4	4
Pyridoxine Hydrochloride	4	4	4	4	4	4	4	4
Riboflavin	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Thiamine Hydrochlorid	4	4	4	4	4	4	4	4
Meso-inositol	7.2	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	4500
Sodium Pyruvate	110	–	110	–	–	–	–	–
HEPES	5958	5958	5958	5958	–	–	–	–
Phenol Red	15	15	–	–	15	15	15	15
Penicillin G Sodium Salt	–	–	–	–	–	–	–	–
Streptomycin Sulfate	–	–	–	–	–	–	–	–