

## DMEM (Glucose Free) Medium Ingredient Formula\_Table 1

Ingredient(mg/L) / Cat. No.	PM150270	PM150271	PM15027	PM150273	PM150274	PM150275	PM150276	PM15027
<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	4750	4750	4750	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	–	–
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	–	–	–	–	–	–	–	–
Sodium Pyruvate	110	–	110	–	110	–	110	–
HEPES	–	–	–	–	5958	5958	5958	5958
Phenol Red	15	15	15	15	15	15	15	15

**DMEM (Glucose Free) Ingredient Formula\_Table 2**

Ingredient(mg/L) / Cat. No.	PM150278	PM150279	PM15028	PM150269	PM150281	PM150282	PM150283	PM150284
<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	4750	4750	4750	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	–
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	–	–	–	–	–	–	–	–
Sodium Pyruvate	110	110	–	–	110	110	–	–
HEPES	–	–	–	–	5958	5958	5958	5958
Phenol Red	–	–	–	–	–	–	–	–

**DMEM (Glucose Free) Ingredient Formula\_Table 3**

Ingredient(mg/L) / Cat. No.	PM150285	PM150286	PM15028	PM150288	PM150289	PM150290	PM150291	PM15029
<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	4750	4750	4750	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	869	869	869	869	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	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–
Sodium Pyruvate	110	110	–	–	110	–	110	–
HEPES	–	–	–	–	5958	5958	5958	5958
Phenol Red	15	–	15	–	15	15	–	–