

RPMI-1640 Medium Ingredient Formula_Table 1

Ingredient (mg/L) / Cat. No.	PM150110	PM150110A	PM150113	PM150113A	PM150114	PM150115	PM150116	PM150117
Inorganic Salt								
Ca(NO ₃) ₂ •4H ₂ O	100	100	100	100	100	100	100	100
MgSO ₄ (Anhydrous)	48.84	48.84	48.84	48.84	48.84	48.84	48.84	48.84
KCl	400	400	400	400	400	400	400	400
NaHCO ₃	2000	2000	2000	2000	2000	2000	2000	2000
NaCl	6000	6000	5300	5300	5300	6000	6000	5300
NaH ₂ PO ₄ (Anhydrous)	800	800	800	800	800	800	800	800
Amino Acid								
L-Alanyl-L-Glutamine	–	–	–	–	–	–	446	446
Glycine	10	10	10	10	10	10	10	10
L-Arginine Hydrochloride	241.86	241.86	241.86	241.86	241.86	241.86	241.86	241.86
L-Asparagine Monohydrate	56.82	56.82	56.82	56.82	56.82	56.82	56.82	56.82
L-Aspartic Acid	20	20	20	20	20	20	20	20
L-Cystine Dihydrochloride	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
L-Glutamic Acid	20	20	20	20	20	20	20	20
L-Glutamine	300	300	300	300	–	–	–	–
L-Histidine Hydrochloride	20.22	20.22	20.22	20.22	20.22	20.22	20.22	20.22
L-Hydroxyproline	20	20	20	20	20	20	20	20
L-Isoleucine	50	50	50	50	50	50	50	50
L-Leucine	50	50	50	50	50	50	50	50
L-Lysine Hydrochloride	40	40	40	40	40	40	40	40
L-Methionine	15	15	15	15	15	15	15	15
L-Phenylalanine	15	15	15	15	15	15	15	15
L-Proline	20	20	20	20	20	20	20	20
L-Serine	30	30	30	30	30	30	30	30
L-Threonine	20	20	20	20	20	20	20	20
L-Tryptophan	5	5	5	5	5	5	5	5
L-Tyrosine Disodium Salt Dihydrate	28.83	28.83	28.83	28.83	28.83	28.83	28.83	28.83
L-Valine	20	20	20	20	20	20	20	20
Vitamin								
Biotin	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Choline Chloride	3	3	3	3	3	3	3	3
D-Calcium Pantothenate	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Folic Acid	1	1	1	1	1	1	1	1
Niacinamide	1	1	1	1	1	1	1	1
Para-aminobenzoic Acid	1	1	1	1	1	1	1	1
Pyridoxine Hydrochloride	1	1	1	1	1	1	1	1
Riboflavin	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Thiamine Hydrochlorid	1	1	1	1	1	1	1	1
Vitamin B12	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Meso-inositol	35	35	35	35	35	35	35	35
Others								
D-Glucose	2000	2000	2000	2000	2000	2000	2000	2000
Glutathione (Reduced)	1	1	1	1	1	1	1	1
HEPES	–	–	5958	5958	5958	–	–	5958
Phenol Red	5	5	5	5	5	5	5	5
Penicillin G Sodium Salt	–	100kU	–	100kU	–	–	–	–
Streptomycin Sulfate	–	100	–	100	–	–	–	–

RPMI-1640 Medium Ingredient Formula_Table 2

Ingredient (mg/L) / Cat. No.	PM150118	PM150119	PM150120	PM150121	PM150122	PM150123	PM150124	PM150125
Inorganic Salt								
Ca(NO ₃) ₂ •4H ₂ O	100	100	100	100	100	100	100	100
MgSO ₄ (Anhydrous)	48.84	48.84	48.84	48.84	48.84	48.84	48.84	48.84
KCl	400	400	400	400	400	400	400	400
NaHCO ₃	2000	2000	2000	2000	2000	2000	2000	2000
NaCl	6000	5300	6000	6000	6000	5300	5300	6000
NaH ₂ PO ₄ (Anhydrous)	800	800	800	800	800	800	800	800
Amino Acid								
L-Alanyl-L-Glutamine	446	446	–	–	–	–	–	–
Glycine	10	10	10	10	10	10	10	10
L-Arginine Hydrochloride	241.86	241.86	241.86	241.86	241.86	241.86	241.86	241.86
L-Asparagine	56.82	56.82	56.82	56.82	56.82	56.82	56.82	56.82
L-Aspartic Acid	20	20	20	20	20	20	20	20
L-Cystine Dihydrochloride	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
L-Glutamic Acid	20	20	20	20	20	20	20	20
L-Glutamine	–	–	300	–	300	300	–	–
L-Histidine	20.22	20.22	20.22	20.22	20.22	20.22	20.22	20.22
L-Hydroxyproline	20	20	20	20	20	20	20	20
L-Isoleucine	50	50	50	50	50	50	50	50
L-Leucine	50	50	50	50	50	50	50	50
L-Lysine Hydrochloride	40	40	40	40	40	40	40	40
L-Methionine	15	15	15	15	15	15	15	15
L-Phenylalanine	15	15	15	15	15	15	15	15
L-Proline	20	20	20	20	20	20	20	20
L-Serine	30	30	30	30	30	30	30	30
L-Threonine	20	20	20	20	20	20	20	20
L-Tryptophan	5	5	5	5	5	5	5	5
L-Tyrosine Disodium Salt Dihydrate	28.83	28.83	28.83	28.83	28.83	28.83	28.83	28.83
L-Valine	20	20	20	20	20	20	20	20
Vitamin								
Biotin	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Choline Chloride	3	3	3	3	3	3	3	3
D-Calcium Pantothenate	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Folic Acid	1	1	1	1	1	1	1	1
Niacinamide	1	1	1	1	1	1	1	1
Para-aminobenzoic Acid	1	1	1	1	1	1	1	1
Pyridoxine Hydrochloride	1	1	1	1	1	1	1	1
Riboflavin	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Thiamine Hydrochlorid	1	1	1	1	1	1	1	1
Vitamin B12	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Meso-inositol	35	35	35	35	35	35	35	35
Others								
D-Glucose	2000	2000	2000	2000	–	–	–	–
Glutathione (Reduced)	1	1	1	1	1	1	1	1
HEPES	–	5958	–	–	–	5958	5958	–
Phenol Red	–	–	–	–	5	5	5	5
Penicillin G Sodium Salt	–	–	–	–	–	–	–	–
Streptomycin Sulfate	–	–	–	–	–	–	–	–

RPMI-1640 Medium Ingredient Formula_Table 3

Ingredient (mg/L) / Cat. No.	PM150126	PM150127	PM150128	PM150129	PM150130	PM150131	PM150132	PM150133
Inorganic Salt								
Ca(NO ₃) ₂ •4H ₂ O	100	100	100	100	100	100	100	100
MgSO ₄ (Anhydrous)	48.84	48.84	48.84	48.84	48.84	48.84	48.84	48.84
KCl	400	400	400	400	400	400	400	400
NaHCO ₃	2000	2000	2000	2000	2000	2000	2000	2000
NaCl	6000	5300	6000	5300	6000	5300	5300	5300
NaH ₂ PO ₄ (Anhydrous)	800	800	800	800	800	800	800	800
Amino Acid								
L-Alanyl-L-Glutamine	446	446	446	446	–	–	–	–
Glycine	10	10	10	10	10	10	10	10
L-Arginine Hydrochloride	241.86	241.86	241.86	241.86	241.86	241.86	241.86	241.86
L-Asparagine	56.82	56.82	56.82	56.82	56.82	56.82	56.82	56.82
L-Aspartic Acid	20	20	20	20	20	20	20	20
L-Cystine Dihydrochloride	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
L-Glutamic Acid	20	20	20	20	20	20	20	20
L-Glutamine	–	–	–	–	300	–	300	–
L-Histidine	20.22	20.22	20.22	20.22	20.22	20.22	20.22	20.22
L-Hydroxyproline	20	20	20	20	20	20	20	20
L-Isoleucine	50	50	50	50	50	50	50	50
L-Leucine	50	50	50	50	50	50	50	50
L-Lysine Hydrochloride	40	40	40	40	40	40	40	40
L-Methionine	15	15	15	15	15	15	15	15
L-Phenylalanine	15	15	15	15	15	15	15	15
L-Proline	20	20	20	20	20	20	20	20
L-Serine	30	30	30	30	30	30	30	30
L-Threonine	20	20	20	20	20	20	20	20
L-Tryptophan	5	5	5	5	5	5	5	5
L-Tyrosine Disodium Salt Dihydrate	28.83	28.83	28.83	28.83	28.83	28.83	28.83	28.83
L-Valine	20	20	20	20	20	20	20	20
Vitamin								
Biotin	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Choline Chloride	3	3	3	3	3	3	3	3
D-Calcium Pantothenate	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Folic Acid	1	1	1	1	1	1	1	1
Niacinamide	1	1	1	1	1	1	1	1
Para-aminobenzoic Acid	1	1	1	1	1	1	1	1
Pyridoxine Hydrochloride	1	1	1	1	1	1	1	1
Riboflavin	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Thiamine Hydrochlorid	1	1	1	1	1	1	1	1
Vitamin B12	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Meso-inositol	35	35	35	35	35	35	35	35
Others								
D-Glucose	–	–	–	–	–	–	–	–
Glutathione (Reduced)	1	1	1	1	1	1	1	1
HEPES	–	5958	–	5958	–	–	5958	5958
Phenol Red	5	5	–	–	–	–	–	–
Penicillin G Sodium Salt	–	–	–	–	–	–	–	–
Streptomycin Sulfate	–	–	–	–	–	–	–	–

RPMI-1640 Medium Ingredient Formula_Table 4

Ingredient (mg/L) / Cat. No.	PM150140	PM150141	PM150142	PM150143	PM150144	PM150145
Inorganic Salt						
Ca(NO3)2•4H2O	100	100	100	100	100	100
MgSO4 (Anhydrous)	48.84	48.84	48.84	48.84	48.84	48.84
KCl	400	400	400	400	400	400
NaHCO3	1500	1000	2000	2000	2000	2000
NaCl	6000	6400	6000	6000	6000	6000
NaH2PO4 (Anhydrous)	800	800	800	800	800	800
Amino Acid						
Glycine	10	10	10	10	10	10
L-Arginine Hydrochloride	241.86	241.86	241.86	241.86	–	–
L-Asparagine	56.82	56.82	56.82	56.82	56.82	56.82
L-Aspartic Acid	20	20	20	20	20	20
L-Cystine Dihydrochloride	65.2	65.2	65.2	65.2	65.2	65.2
L-Glutamic Acid	20	20	20	20	20	20
L-Glutamine	300	300	300	300	–	–
L-Histidine	20.22	20.22	20.22	20.22	20.22	20.22
L-Hydroxyproline	20	20	20	20	20	20
L-Isoleucine	50	50	50	50	50	50
L-Leucine	50	50	50	50	50	50
L-Lysine Hydrochloride	40	40	40	40	–	–
L-Methionine	15	15	15	–	15	15
L-Phenylalanine	15	15	15	15	15	15
L-Proline	20	20	20	20	20	20
L-Serine	30	30	30	30	30	30
L-Threonine	20	20	20	20	20	20
L-Tryptophan	5	5	5	5	5	5
L-Tyrosine Disodium Salt Dihydrate	28.83	28.83	28.83	28.83	28.83	28.83
L-Valine	20	20	20	20	20	20
Vitamin						
Biotin	0.2	0.2	0.2	0.2	0.2	0.2
Choline Chloride	3	3	3	3	3	3
D-Calcium Pantothenate	0.25	0.25	0.25	0.25	0.25	0.25
Folic Acid	1	1	–	1	1	1
Niacinamide	1	1	1	1	1	1
Para-aminobenzoic Acid	1	1	1	1	1	1
Pyridoxine Hydrochloride	1	1	1	1	1	1
Riboflavin	0.2	0.2	0.2	0.2	0.2	0.2
Thiamine Hydrochlorid	1	1	1	1	1	1
Vitamin B12	0.005	0.005	0.005	0.005	0.005	0.005
Meso-inositol	35	35	35	35	35	35
Others						
D-Glucose	4500	2000	2000	2000	–	2000
Glutathione (Reduced)	1	1	1	1	1	1
HEPES	2383	4770	–	–	–	–
Phenol Red	5	5	5	5	--	5
Sodium Pyruvate	110	–	–	–	–	–