

RPMI-1640 medium ingredient formula (mg/L)

Ingredient \ Cat. No.	EP-CM-P0001	EP-CM-L0301	EP-CM-L0002	EP-CM-L0003	EP-CM-L0004	EP-CM-L0302	EP-CM-L0303	EP-CM-L0304
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
NaCl	6000	6000	6000	5300	5300	5300	6000	6000
NaH ₂ PO ₄ (Anhydrous)	800	800	800	800	800	800	800	800
Amino acid								
L-Alanyl-L-glutamine	–	–	–	–	–	–	–	446
Glycine	10	10	10	10	10	10	10	10
L-Arginine monohydrochloride	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	300	–	–	–
L-Histidine hydrochloride monohydrate	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 monohydrochloride	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

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!

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 B ₁₂	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
Reduced glutathione	1	1	1	1	1	1	1	1
HEPES	–	–	–	5958	5958	5958	–	–
Phenol red	5	5	5	5	5	5	5	5
Penicillin G sodium salt	–	–	100kU	–	100kU	–	–	–
Streptomycin sulfate	–	–	100	–	100	–	–	–

Ingredient \ Cat. No.	EP-CM-L0011	EP-CM-L0012	EP-CM-L0013	EP-CM-L0014	EP-CM-L0016	EP-CM-L0017	EP-CM-L0021
Inorganic salt							
Ca(NO ₃) ₂ •4H ₂ O	100	100	100	100	100	100	100
MgSO ₄ (Anhydrous)	48.84	48.84	48.84	48.84	48.84	48.84	48.84
KCl	400	400	400	400	400	400	400
NaHCO ₃	2000	2000	2000	2000	2000	2000	2000
NaCl	6000	6000	6000	5300	6000	6000	6000
NaH ₂ PO ₄ (Anhydrous)	800	800	800	800	800	800	800
Amino acid							
L-Alanyl-L-glutamine	–	–	–	–	–	446	–
Glycine	10	10	10	10	10	10	10
L-Arginine monohydrochloride	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
L-Aspartic acid	20	20	20	20	20	20	20
L-Cystine dihydrochloride	65.2	65.2	65.2	65.2	65.2	65.2	65.2
L-Glutamic acid	20	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	20.22
L-Hydroxyproline	20	20	20	20	20	20	20
L-Isoleucine	50	50	50	50	50	50	50
L-Leucine	50	50	50	50	50	50	50
L-Lysine monohydrochloride	40	40	40	40	40	40	40
L-Methionine	15	15	15	15	15	15	15
L-Phenylalanine	15	15	15	15	15	15	15
L-Proline	20	20	20	20	20	20	20
L-Serine	30	30	30	30	30	30	30
L-Threonine	20	20	20	20	20	20	20
L-Tryptophan	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
L-Valine	20	20	20	20	20	20	20
Vitamin							
Biotin	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Choline chloride	3	3	3	3	3	3	3
D-Calcium pantothenate	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Folic acid	1	1	1	1	1	1	1

Niacinamide	1	1	1	1	1	1	1
Para-aminobenzoic acid	1	1	1	1	1	1	1
Pyridoxine hydrochloride	1	1	1	1	1	1	1
Riboflavin	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Thiamine hydrochlorid	1	1	1	1	1	1	1
Vitamin B ₁₂	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Meso-inositol	35	35	35	35	35	35	35
Others							
D-Glucose	2000	2000	–	–	–	–	–
Reduced glutathione	1	1	1	1	1	1	1
HEPES	–	–	–	5958	–	–	–
Phenol red	–	–	5	5	5	5	–
Penicillin G sodium salt	–	–	–	–	–	–	–
Streptomycin sulfate	–	–	–	–	–	–	–