

**RPMI-1640 Media**

	<a href="#">R0883</a>	<a href="#">R1145</a>	<a href="#">R1383</a>	<a href="#">R4130</a>	<a href="#">R5886</a>	<a href="#">R6504</a>	<a href="#">R6767</a>	<a href="#">R7388</a>
<b>Component</b>	[Liquid] g/L	[Liquid] g/L	[Powder] g/L	[Powder] g/L	[Liquid] g/L	[Powder] g/L	[Liquid] g/L	[Liquid] g/L
<b>Inorganic salts</b>								
Ca(NO3)2 • 4H2O	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1
MgSO4 (anhyd)	0.04884	0.4884	0.04884	0.04884	0.04884	0.04884	0.04884	0.04884
KCl	0.4	4	0.4	0.4	0.4	0.4	0.4	0.4
NaHCO3	2	—	—	—	2	—	2	—
NaCl	6	60	6	6	6	6	6	6
Na2HPO4 (anhyd)	0.8	8	0.8	0.8	0.8	0.8	0.8	0.8
<b>Amino acids</b>								
L-Arginine	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2
L-Asparagine	0.05	0.5	0.05	0.05	0.05	0.05	0.05	0.05
L-Aspartic acid	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02
L-Cystine • 2HCl	0.0652	0.652	0.0652	0.0652	0.0652	0.0652	0.0652	0.0652
L-Glutamic acid	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02
L-Glutamine	—	—	0.3	0.3	—	0.3	—	0.3
Glycine	0.01	0.1	0.01	0.01	0.01	0.01	0.01	0.01
L-Histidine	0.015	0.15	0.015	0.015	0.015	0.015	0.015	0.015
Hydroxy-L-proline	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02
L-Isoleucine	0.05	0.5	0.05	0.05	0.05	0.05	0.05	0.05
L-Leucine	0.05	0.5	0.05	0.05	0.05	0.05	0.05	0.05
L-Lysine • HCl	0.04	0.4	0.04	0.04	0.04	0.04	0.04	0.04
L-Methionine	0.015	0.15	0.015	0.015	0.015	0.015	0.015	0.015
L-Phenylalanine	0.015	0.15	0.015	0.015	0.015	0.015	0.015	0.015
L-Proline	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02
L-Serine	0.03	0.3	0.03	0.03	0.03	0.03	0.03	0.03
L-Threonine	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02
L-Tryptophan	0.005	0.05	0.005	0.005	0.005	0.005	0.005	0.005
L-Tyrosine • 2Na • dihydrate	0.02883	0.2883	0.02883	0.02883	0.02883	0.02883	0.02883	0.02883
L-Valine	0.02	0.2	0.02	0.02	0.02	0.02	0.02	0.02
<b>Vitamins</b>								
p-Aminobenzoic acid	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001
D-Biotin	0.0002	0.002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Choline chloride	0.003	0.03	0.003	0.003	0.003	0.003	0.003	0.003
Folic acid	0.001	0.01	0.001	0.001	0.001	0.001	—	0.001
Glutathione, reduced	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001
myo-Inositol	0.035	0.35	0.035	0.035	0.035	0.035	0.035	0.035
Niacinamide	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001
D-Pantothenic acid • ½Ca	0.00025	0.0025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Pyridoxine • HCl	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001
Riboflavin	0.0002	0.002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Thiamine • HCl	0.001	0.01	0.001	0.001	0.001	0.001	0.001	0.001
Vitamin B12	0.000005	0.00005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
<b>Sugars</b>								
D-Glucose	2	20	—	2	2	2	2	2
<b>Other</b>								
HEPES	—	—	—	5.958	5.958	—	—	4.77
Phenol red • Na	0.0053	0.053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053
<b>Add</b>								
L-Glutamine	0.3	0.3 at 1x	—	—	0.3	—	0.3	—
NaHCO3	—	2 at 1x	2	2	—	2	—	—

### RPMI-1640 Media

	<a href="#">R7509</a>	<a href="#">R7513</a>	<a href="#">R7638</a>	<a href="#">R7755</a>	<a href="#">R8005</a>	<a href="#">R8755</a>	<a href="#">R8758</a>
<b>Component</b>	<b>[Liquid]</b>	<b>[Liquid]</b>	<b>[Liquid]</b>	<b>[Powder]</b>	<b>[Powder]</b>	<b>[Powder]</b>	<b>[Liquid]</b>
	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>
<b>Inorganic salts</b>							
Ca(NO <sub>3</sub> ) <sub>2</sub> • 4H <sub>2</sub> O	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MgSO <sub>4</sub> (anhyd)	0.04884	0.04884	0.04884	0.04884	0.04884	0.04884	0.04884
KCl	0.4	0.4	0.4	0.4	0.4	0.4	0.4
NaHCO <sub>3</sub>	2	2	1	—	—	—	2
NaCl	6	6	6	6	5.9	6	6
Na <sub>2</sub> HPO <sub>4</sub> (anhyd)	0.8	0.8	0.8	0.8	0.8	0.8	0.8
<b>Amino acids</b>							
L-Arginine	0.2	0.2	0.2	0.2	0.2	0.2	0.2
L-Asparagine	0.05	0.05	0.05	0.05	0.05	0.05	0.05
L-Aspartic acid	0.02	0.02	0.02	0.02	0.02	0.02	0.02
L-Cystine • 2HCl	0.0652	—	0.0652	0.0652	0.0652	0.0652	0.0652
L-Glutamic acid	0.02	0.02	0.02	0.02	0.02	0.02	0.02
L-Glutamine	—	—	—	—	0.3	0.3	0.3
Glycine	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L-Histidine	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Hydroxy-L-proline	0.02	0.02	0.02	0.02	0.02	0.02	0.02
L-Isoleucine	0.05	0.05	0.05	0.05	0.05	0.05	0.05
L-Leucine	0.05	0.05	0.05	0.05	0.05	0.05	0.05
L-Lysine • HCl	0.04	0.04	0.04	0.04	0.04	0.04	0.04
L-Methionine	0.015	—	0.015	0.015	0.015	0.015	0.015
L-Phenylalanine	0.015	0.015	0.015	0.015	0.015	0.015	0.015
L-Proline	0.02	0.02	0.02	0.02	0.02	0.02	0.02
L-Serine	0.03	0.03	0.03	0.03	0.03	0.03	0.03
L-Threonine	0.02	0.02	0.02	0.02	0.02	0.02	0.02
L-Tryptophan	0.005	0.005	0.005	0.005	0.005	0.005	0.005
L-Tyrosine	—	—	—	0.02	—	—	—
L-Tyrosine • 2Na • dihydrate	0.02883	0.02883	0.02883	—	0.02883	0.02883	0.02883
L-Valine	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Vitamins</b>							
p-Aminobenzoic acid	0.001	0.001	0.001	0.001	0.001	0.001	0.001
D-Biotin	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Choline bitartrate	—	—	—	0.00544	—	—	—
Choline chloride	0.003	0.003	0.003	—	0.003	0.003	0.003
Folic acid	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Glutathione, reduced	0.001	0.001	0.001	0.001	0.001	0.001	0.001
myo-Inositol	0.035	0.035	0.035	0.035	0.035	0.035	0.035
Niacinamide	0.001	0.001	0.001	0.001	0.001	0.001	0.001
D-Pantothenic acid • ½Ca	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
Pyridoxine • HCl	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Riboflavin	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Thiamine • HCl	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Vitamin B12	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
<b>Sugars</b>							
D-Glucose	2	2	2	2	4.5	2	2
<b>Other</b>							
HEPES	—	—	4.77	—	3.5745	—	—
Phenol red • Na	—	0.0053	0.0053	0.00318	0.0053	—	0.0053
Succinic acid	—	—	—	0.1	—	—	—
Succinic acid • Na • hexahydrate	—	—	—	0.075	—	—	—
<b>Add</b>							
NaHCO <sub>3</sub>	—	—	—	2	2	2	—
L-Glutamine	0.3	0.3	0.3	0.3	—	—	—