

Tables

Table 1. Compositions of M1 and OpM1 media

Ingredient	[x] stock	[x] M1*	[x] OpM1*	Unit	Cat. no
M199 powder	9.1	9.1	9.1	g/L	M3769
NaCl	275	15.4203	15.4203	g/L	488662
Tris-HCl	50	3.7688	3.7688	g/L	T5941
Tris-base	50	2.7838	2.7838	g/L	T1503
MgCl ₂	200	10.0400	10.0400	g/L	M2393
Na ₂ SO ₄	50	0.8170	0.8170	g/L	238597
CaCl ₂	50	0.4000	0.4000	g/L	C7902
KCl	50	0.3021	0.3021	g/L	P5405
L-Alanine	5	0.0281	0.0281	g/L	A3534
L-Arginine	5	0.0250	0.0250	g/L	A6969
L-Aspartic acid	5	0.0469	0.0469	g/L	A4534
L-Asparagine	5	0.1031	0.1031	g/L	A0884
L-Cysteine	5	0.0406	0.0406	g/L	C6852
L-Glutamic acid	5	0.0469	0.0469	g/L	G5638
L-Glutamine	5	0.0625	0.0880	g/L	G8540
Glycine	5	0.0031	0.0031	g/L	G8790
L-Histidine	5	0.1094	0.1094	g/L	H8125
L-Isoleucine	5	0.0500	0.0500	g/L	I2752
L-Leucine	5	0.0531	0.0531	g/L	L8912
L-Lysine	5	0.0188	0.0188	g/L	L5626
L-Methionine	5	0.0656	0.0656	g/L	M9625
L-Phenylalanine	5	0.0938	0.0938	g/L	P5482
L-Proline	5	0.0781	0.0781	g/L	P5607
L-Serine	5	0.0844	0.0844	g/L	S5511
L-Threonine	5	0.0250	0.0250	g/L	T8441
L-Tryptophan	5	0.0719	0.0719	g/L	T0254
L-Tyrosine	5	0.0469	0.0469	g/L	T1145
L-Valine	5	0.1031	0.1031	g/L	V6504
Rifampicin	30	0.0300	0.0300	g/L	R3501
Amphotericin B	0.2500	0.0250	0.0250	g/L	A2411
Ascorbate · Na	0.5943	-	0.0015	g/L	A4034
Pyruvate · Na	0.4400	-	0.0011	g/L	P5280
Na ₂ SiO ₃	1.4210	-	0.0018	g/L	307815
ZnSO ₄ · 7H ₂ O	6.46E-02	-	0.0001	g/L	Z0251
Lectin from <i>Phaseolus vulgaris</i> (PHA)	4	-	4.72E-02	g/L	L1668
EGF Recombinant Human Protein	1.60E-04	-	1.89E-06	g/L	10605HNAE50
Insulin-like Growth Factor-1 Protein, Recombinant Human	8.00E-03	-	9.44E-05	g/L	GF138
Pifithrin-α	20	-	1.19E-02	g/L	P4359
PDGF-BB Recombinant Mouse Protein	1.00E-01	-	8.69E-05	g/L	PMG0044
RPMI 1640 Vitamin solution (100x)	-	-	3.11	μl/mL OpM1	R7256
Fetal Bovine Serum, qualified, One Shot™, US origin	-	-	4.35	μl/mL OpM1	A3160501
Insulin Transferrin Selenium Ethanolamine	-	-	11.18	μl/mL OpM1	51500056
Lipid Mixture-1 (100x)	-	-	11.18	μl/mL OpM1	L0288

*Numbers in columns [x] M1 and [x] OpM1 do not include concentrations of nutrients present in M199 powder, only what is added to prepare both media.