

SUPPLEMENTARY INFORMATION

Establishment and Characterization of Turtle Liver Organoids Provides a Potential Model to Decode their Unique Adaptations

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Correction Note to Supplementary data 5 (excel file 42003_2024_5818_MOESM7_ESM): The amount of FBS to add to the media was listed as 0.08% in the published paper and should be 8%.

Component	Amount to Add	Solvent	Stock conc.	Final concentration (in 500 mL)	Distributor	Reference number
Advanced DMEM/F12	500 mL	N/A	1X	N/A	Gibco	12634-010
FBS	40 mL	N/A	N/A	8.00%	Corning	35-010-CV
Glutamax	5 mL	N/A	200 mM	2 mM	Gibco	35050-061
HEPES	5 mL	N/A	1 M	10 mM	VWR Life Science	J848-500ML
Primocin	1 mL	N/A	50 mg/mL	100 µg/ml	InvivoGen	ant-pm-1
B27 supplement	10 mL	N/A	50X	1X	Gibco	17504-044
N2 supplement	5 mL	N/A	100X	1X	Gibco	17502-048
N-Acetyl-L-cysteine	1 mL	ddH2O	500 mM	1 mM	Sigma	A9165-25G
Murine EGF	500 µL	0.1%BSA/PBS	50 µg/ml	50 ng/ml	PeproTech	315-09-1MG
Murine Noggin	500 µL	0.1%BSA/H2O	100 µg/ml	100 ng/ml	PeproTech	250-38-250UG
Human R-Spondin-1	500 µL	0.1%BSA/PBS	500 µg/ml (500 µg/tube, add 1 mL solvent)	500 ng/ml	PeproTech	120-38-500UG
Murine Wnt-3a	1 mL (5 tubes)	0.1%BSA/PBS	50 µg/ml (10 µg/tube, add 200 µL solvent)	100 ng/ml	PeproTech	315-20-10UG
[Leu15]-Gastrin I human	50 µL	0.1%BSA/PBS	100 µM	10 nM	Sigma	G9145-.5MG
Nicotinamide	5 mL	ddH2O	1 M	10 mM	Sigma	N0636-100G
A-83-01	50 µL	DMSO	5 mM	500 nM	Tocris	2939
SB202190	500 µL	DMSO	10 mM	10 µM	Biogems	1523072-25MG
SMZ-TMP DS	200 µL	DMSO	25 mg/mL	10 µg/ml	Rising Health	N/A

Additional Supplements						
Prostaglandin E2 (PGE2)	1 µL/ 1 mL	DMSO	9.93 mM	9.93 µM	Tocris	2296/10
ROCK inhibitor (Y-27632)	1 µL/ 1 mL	DMSO	10 mM	10 µM	Sigma	SCM075
Stemolecule CHIR99021 (GSK3β)	0.25 µL/ 1 mL	DMSO	10 mM	2.5 µM	Stemgent	04-0004-base

Previously Used Supplements						
ROCK inhibitor (Y-27632)	1 µL/ 1 mL	DMSO	10 mM	10 µM	Biogems	1293823
A-83-01	50 µL	DMSO	5 mM	500 nM	Peprrotech	9094360
SB202190	500 µL	DMSO	10 mM	10 µM	Sigma	S7067-25MG