

Supplemental information

Supplementary Table 1. Components of human liver organoid expansion media

Components	Concentration	Supplier
Basal media: Advanced DMEM/F-12 media Penicillin-Streptomycin HEPES GlutaMAX	86% Neat 1x 10 mM 1x	Life Technologies 12634-028 Life Technologies 15140-122 Life Technologies 15630-056 Life Technologies 35050-061
Rspo1-conditioned media	10%	In-house. See reference 71
B-27 Supplement, without vitamin A	1x	Life Technologies 12587-010
N-2 Supplement	1x	Life Technologies 17502-048
Nicotinamide	10 mM	Sigma N0636
Human EGF	50 ng/ml	Peprtech AF-100-15
[Leu ¹⁵]-Gastrin I human	10 nM	Sigma G9145
N-acetylcysteine	1 mM	Sigma A0737
Human FGF-10	100 ng/ml	Peprtech 100-26
Human HGF	25 ng/ml	Peprtech 100-39
Forskolin	10 μ M	Tocris Bioscience 1099
A83-01	5 μ M	Tocris Bioscience 2939