

containing ROCKi +OSM

h	ESC-H9 -HLCs	hiPSC- F4-HLCs	hiPSC-IMR90- HLCs
Number of spheroids	116	120	102
Average diameter (μ m)	104.1	90.5	90.8
s.e.m (μm)	25.1	13.9	17.8





Supplementary Figure 1

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Supplementary Figure 1: (A) Schematics of optimization of protocol for seeding hPSC-HLCs into cellulosic scaffolds.(B) Phase contrast images of 3D hPSC-HLCs spheroids maintained within the scaffold for 14 days; image taken at day 14 after seeding into scaffold. Scale bar: 100 μ m. (C) Spheroid size distribution using ImageJ software from phase contrast images of hepatocyte spheroids formed in 3D cellulosic scaffolds. Table shows number of spheroids counted from representative images from three independent batches of differentiation for hESC-H9-HLCs, hiPSC-IMR90 HLCs and hiPSC-F4-HLCs respectively and average diameter \pm s.e.m of the spheroids. (D) Phase contrast images showing sub-optimal spheroid formation when optimized conditions were not used. Scale bar: 100 μ m.