

Lab on a Chip

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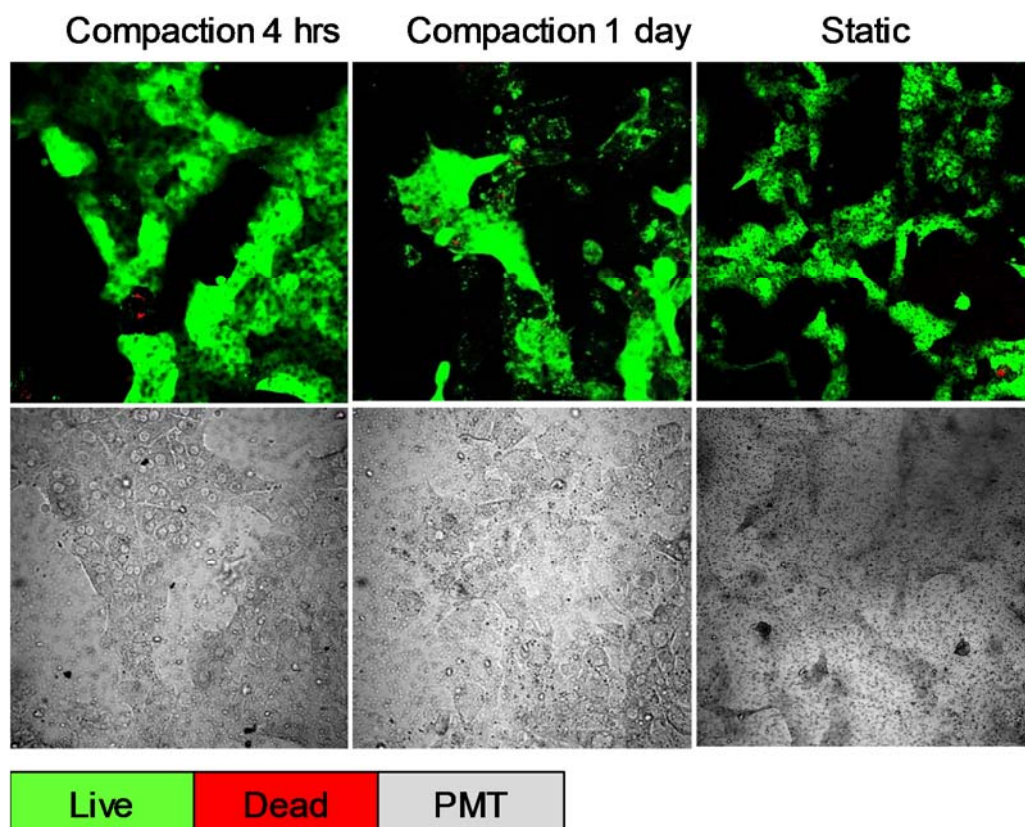


Figure S1. Live-dead staining of hepatocytes in Compaction and Static culture. Images taken by 20X confocal microscope.

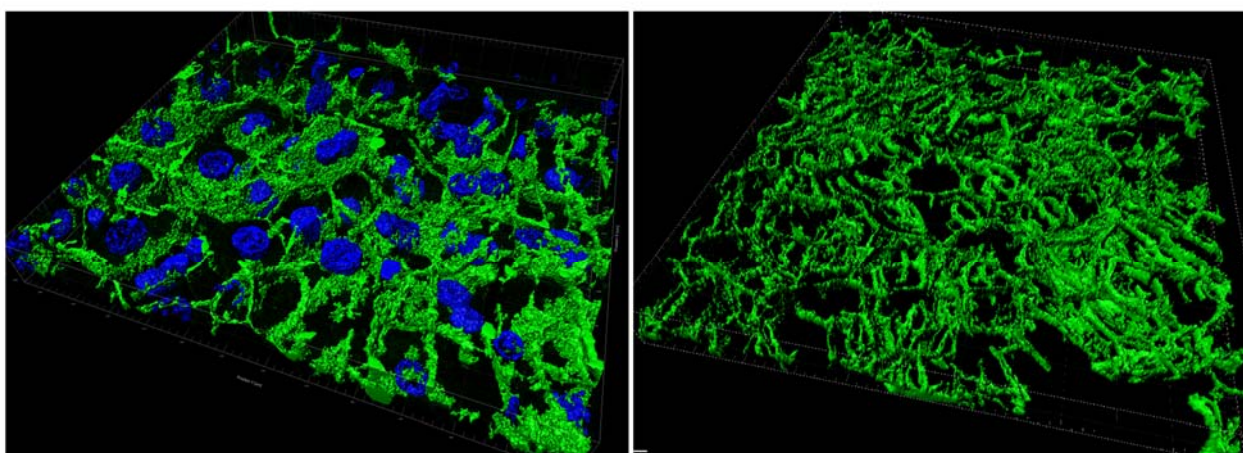


Figure S2. 3D volumetric projections showing similar actin distribution of *ex vivo* (left) and *in vivo* (right) samples.

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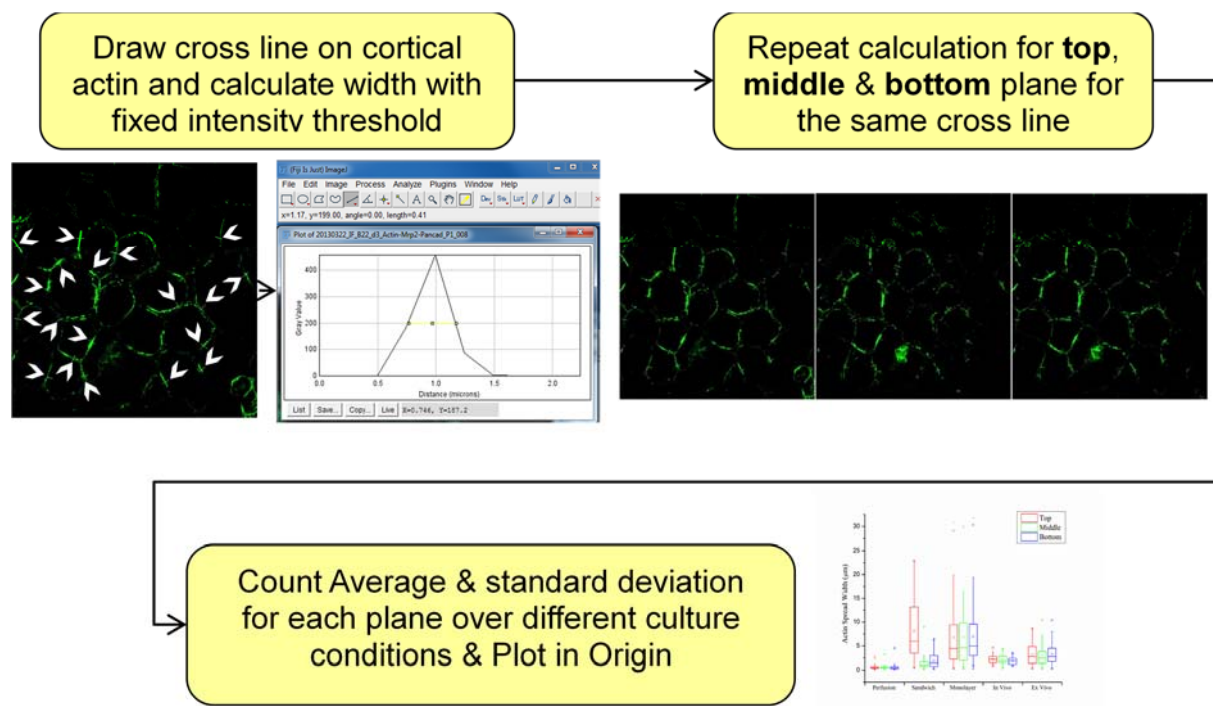


Figure S3. Method of quantifying actin fiber spread width in top, middle and bottom planes.

Gene	Forward sequence	Reverse sequence
GAPDH	AGACAGCCGCATCTTCTTGT	TGATGGCAACAATGTCCACT
Cyp1a2	CACGGCTTTCTGACAGACCC	CCAAGCCGAAGAGCATCACC
Cyp2b2	ACCGGCTACCAACCCTTGAT	TGTGTGGTACTCCAATAGGGACAA
Cyp3a2	TGGGACCCGCACACATGGACT	TCCGTGATGGCAAACAGAGGCA

Table S1. Primer sequence in qPCR assay.