

SUPPORTING INFORMATION FOR C5RA07910A

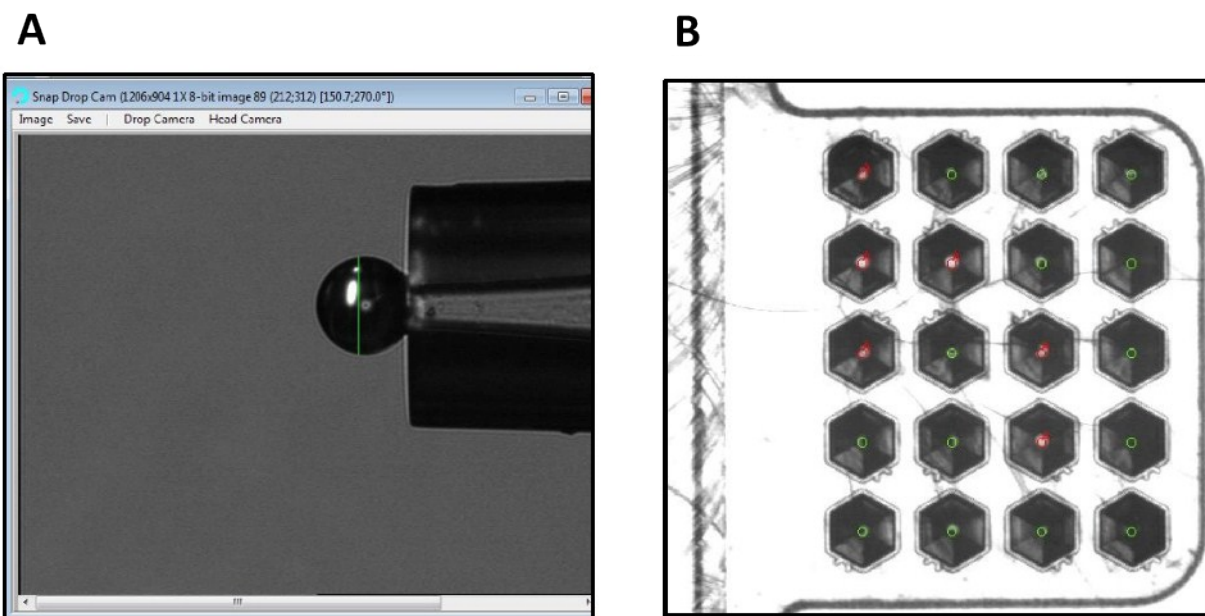


Fig. S1 Bead placement using custom-built piezoelectrically-actuated ejectors by Scienion, AG (Berlin, Germany). **(A)** Microbead, 150 μm in diameter, attached to the nozzle tip. **(B)** Head camera image and software provide quality control of the bead-placement by indicating filled (green circles) and not filled (red circles) micro-wells.

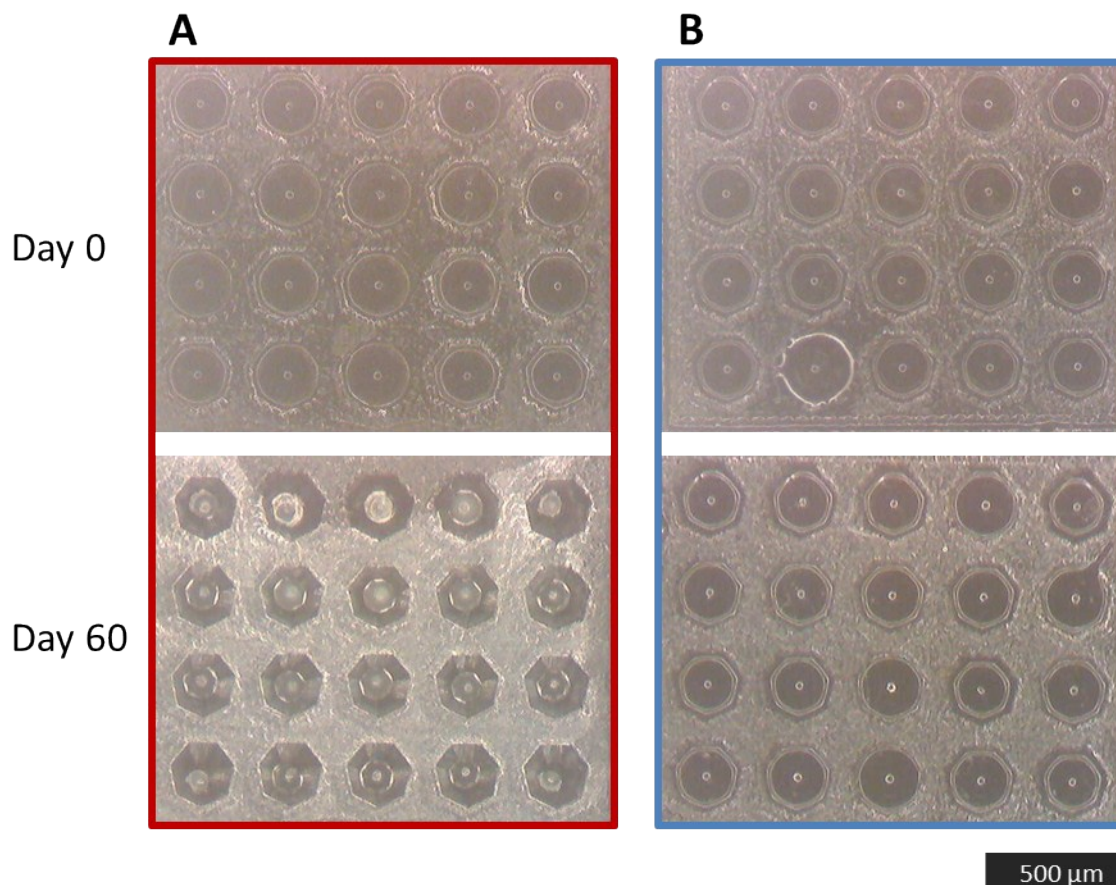


Fig. S2 Optical micrographs of agarose beads stored in a 4×5 microchip array in solutions of **(A)** PBS buffer and **(B)** glycerol. While agarose beads stored in PBS buffer dry out, the structural integrity of the beads stored in glycerol is maintained for up to 60 days.

Table S1: Summary of CV% ranges for experiments involving fluorescently-labeled CRP in Fig. 4

Experiment	Intra-assay CV%		Inter-assay CV%	
	PF	CPF	PF	CPF
Time course	2.9 – 7.8	3.7 – 10.2	2.1 – 5.9	3.9 – 13.1
Flow rate	1.3 – 13.7	3.2 – 8.3	2.9 – 15.7	2.7 – 16.1