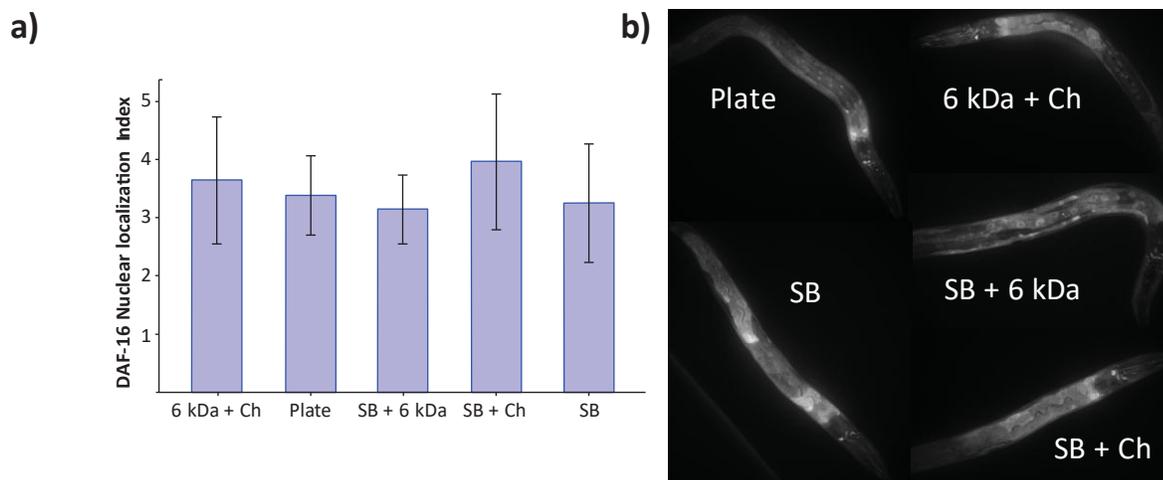
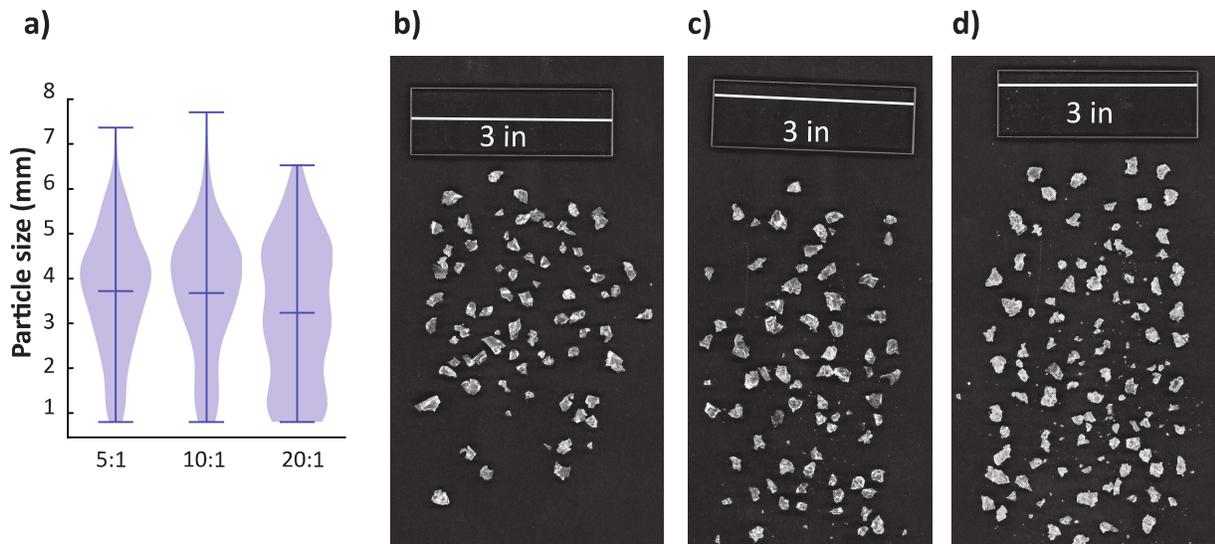


**Supplementary Figure 1.** Culture temperature is not relevant for v-PDMS-induced mortality. (a) Worms cultured in S-Media (b) worms cultured in S-Basal. Data shown as mean  $\pm$  SEM, with weighted averages indicated by star symbols. Significance determined by Fisher's exact test ( $p < 0.05$ , \* $p < 0.01$ , \*\* $p < 0.001$ ). Approximately 100 worms per replicate per condition.



**Supplementary Figure 2.** Nuclear localization of DAF-16 using the strain MAH97 [*daf-16p::GFP::DAF-16* cDNA + *odr-1p::RFP*]. a) DAF-16 Nuclear localization index calculated as the ratio of the sum of the brightness of the pixels identified as nuclei pixels divided by the sum of the brightness of the pixels identified as worm-non-nuclei pixels. b) Example images of DAF-16p::GFP::DAF-16 worms for each condition tested. Bar height represents the average of  $\sim 30$  worms per condition. All conditions were cultured in SB mixed with the indicated chemical for 24 hours, except for the plate condition, which were fully grown in NGM plates.



**Supplementary Figure 3.** Example scans of PDMS fragments at different base to curing agent ratios (a) Distribution of particle sizes of shredded PDMS. (b) 5:1 ratio. (c) 10:1 ratio (d) 20:1 ratio.

**Supplementary table 1.** pH of different solutions. Measured in triplicate with an Orion Star A211 pH meter.

Measurement	S-Buffer	S-Media	Salts(+)	Trace Metals (+)	Cholesterol (+)	PC(+)	MgSO4	CaCl2
1	5.91	5.80	5.81	5.89	5.88	5.80	5.88	5.89
2	5.97	5.81	5.80	5.89	5.89	5.80	5.90	5.91
3	5.90	5.80	5.79	5.90	5.88	5.80	5.88	5.88