



Supplemental Figure 8. MSCs co-expressing HSV-TK and mIFN β can be selectively eliminated *in vitro*

(A) Plot showing MSC-mIFN β -TK viability 72 hrs post-GCV treatment (0-80 $\mu\text{g/ml}$) relative to non-TK-expressing MSC control. (B-C) Fluorescent micrographs showing MSC-mIFN β -TK cells treated for 72 hrs with (B) PBS or (C) 10 $\mu\text{g/ml}$ GCV. Inset shows cells at $\times 10$ magnification. Scale bar, 200 μm (D) Fluorescence micrographs showing 1×10^5 MSC-mIFN β -TK cells encapsulated in sECM (green) and treated with PBS or 10 $\mu\text{g/ml}$ GCV for 5 days; edge of sECM drop demarcated by dashed white line. (E) Cell viability was assessed. $P < 0.001$ compared to PBS-treated control.