Supporting Information

Poly(alkyl glycidyl ether) hydrogels for harnessing the bioactivity of engineered microbes

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Figure S1. Graphical representation of the temperature induced sol-gel transition of polymer 2.



Figure S2-S3. Viscosity vs Shear Rate and Oscillatory Yield Stress experiments for a 20 wt %

solution of Polymer 1

DEAD

LIVE/DEAD



Figure S4. Confocal microscopy images of live/dead assay results at day 1 of incubation in SC media. The first column shows the dead cells (red channel), while the second column shows the live cells (green channel). The third column is an overlay of the live and dead cell channels.



Figure S5. Confocal microscopy images of live/dead assay results at day 3 of incubation in SC media. The first column shows the dead cells (red channel), while the second column shows the live cells (green channel). The third column is an overlay of the live and dead cell channels.



Figure S6. Confocal microscopy images of live/dead assay results at day 7 of incubation in SC media. The first column shows the dead cells (red channel), while the second column shows the live cells (green channel). The third column is an overlay of the live and dead cell channels.



Figure S7. ¹H NMR of Polymer 1



