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Supplementary Materials: Polymer Pro-Drug Nanoparticles for Sustained Release of Cytotoxic Drugs Evaluated in Patient-Derived Glioblastoma Cell Lines and In Situ Gelling Formulations

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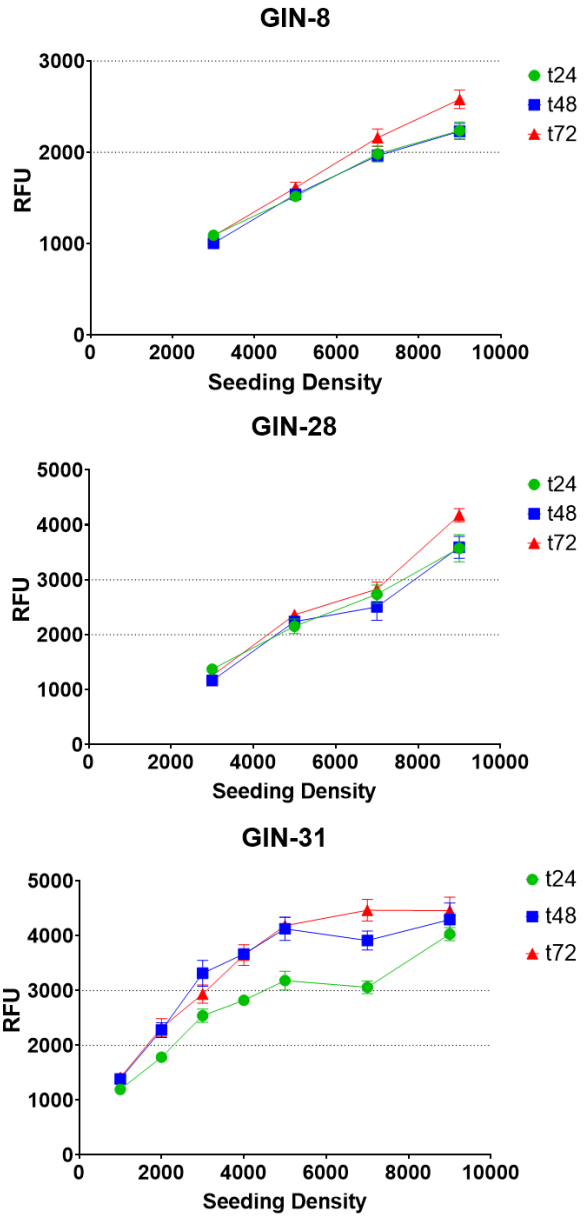

Figure S1. Effect of Culture Time and Seeding Density on PrestoBlue Fluorescence. Cell seeding density experiment for the PrestoBlue™ assay at 24, 48 and 72h. Four independent repeats were carried out (n = 4) for the GIN-8 line and two independent repeats (n = 4) were carried out for the GIN-28 and GIN-31 cell lines. Error bars show mean ± S.E.M.

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Table S1. NP size and zeta potentials. Average values from at least three sample replicates produced from three batches: measurements in MilliQ water.

Polymer	Size (nm)*	PDI	Z-potential(mV)	CAC
P1. $mPEG_{2000}$-$(LA)_{50}$-$(TBPC)_{50}$	68.6 ± 1.1	0.1 ± 0.0	−26.9 ± 2.5	9.5
P2. $mPEG_{5000}$-$(LA)_{50}$-$(TBPC)_{50}$	61.4 ± 1.0	0.1 ± 0.0	−23.5 ± 4.5	8.5
P3. PEG_{4000}-$(LA)_{50}$-$(TBPC)_{50}$	68.1 ± 1.9	0.1 ± 0.0	−10.7 ± 3.5	12.7
P4. PEG_{1014}-$(LA)_{50}$-$(TBPC)_{50}$	118.9 ± 3.8	0.1 ± 0.0	−29.2 ± 5.5	11.5
P5. PEG_{797}-$(LA)_{50}$-$(TBPC)_{50}$	119.6 ± 3.1	0.1 ± 0.0	−30.1 ± 5.5	12.1

* at 1mg/mL.