

## Supporting information

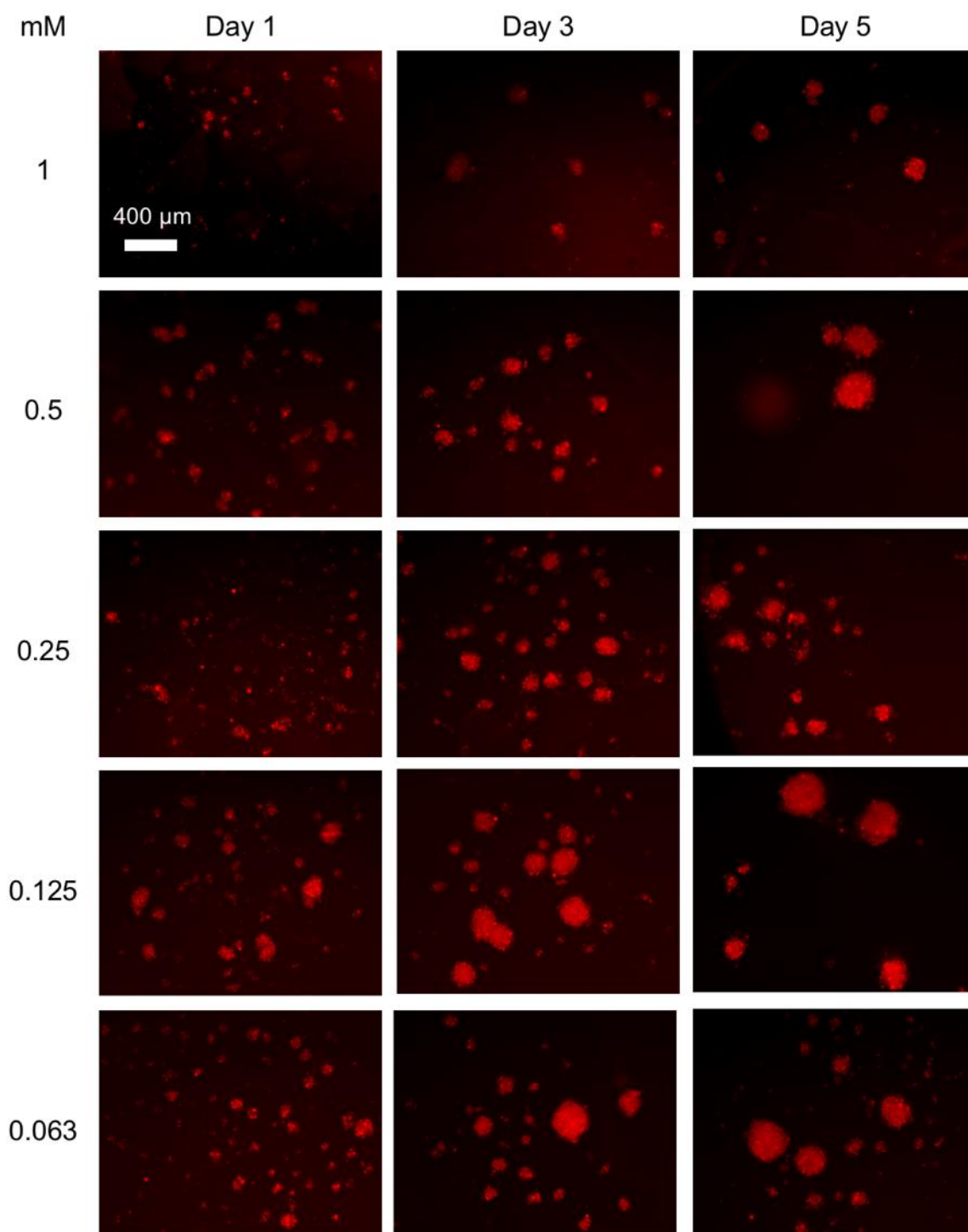
### **Crosslinked Chitosan-PEG Hydrogel for Culture of Human Glioblastoma Cell Spheroids and Drug Screening**

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#### **Cell morphology on the gels crosslinked with various concentrations of genipin**

U118-RFP human glioblastoma cells were cultured in DMEM with 10% FBS and 1% AA in humidified incubator with 5% CO<sub>2</sub> at 37°C. Genipin-crosslinked chitosan-PEG(CSPG) hydrogels was prepared with 0.063 to 1 mM genipin. Freshly-mixed CSPG solution was dispensed into 96-well plates at 100 µL per well and incubated at 37°C for 24 hrs. Cells were seeded at 5,000 cells per well and cultured for 5 days. Cells were imaged using a Nikon ECLIPSE TE2000-S microscope (**Figure S1**).



**Figure S1.** The morphology of U118-RFP cells cultured on genipin-crosslinked chitosan-PEG hydrogels crosslinked with various genipin concentrations in the gel at different time points after cell seeding.