

A Dual-Functional Embolization-Visualization System for Fluorescence Image-Guided Tumor Resection

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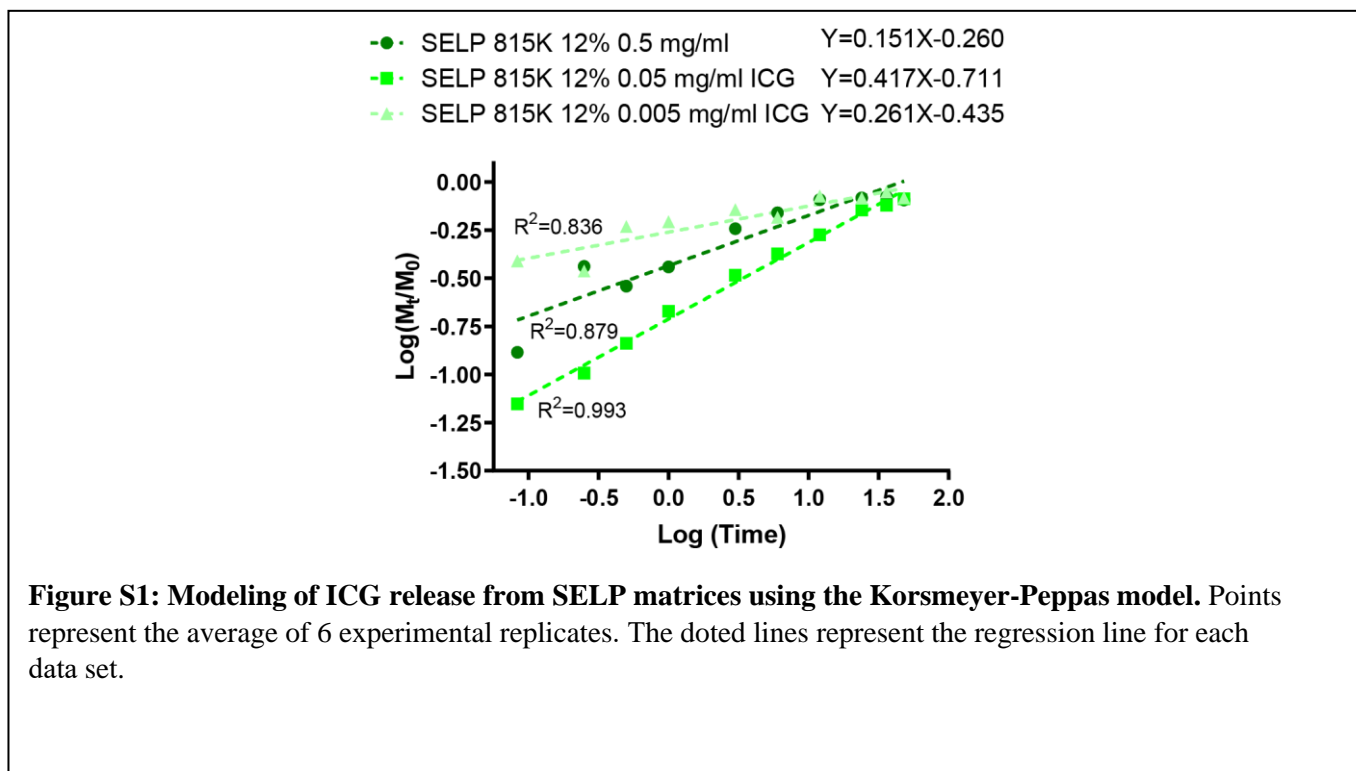
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Supplemental Information



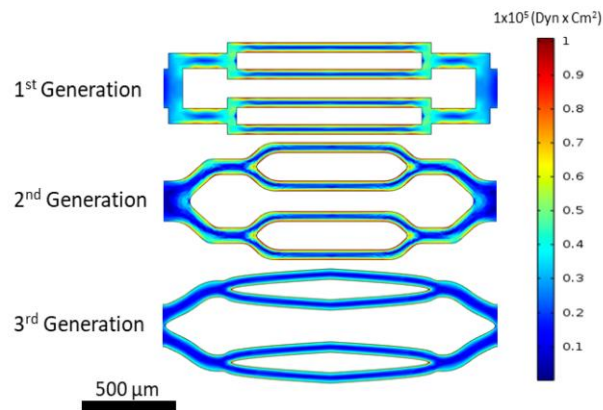


Figure S2: Computational modeling of shear force of simulated blood flowing through microfluidic tumor models. Color gradient represents the shear force experienced by the fluid for **A)** 1st Generation, **D)** 2nd Generation, and **C)** 3rd Generation designs. Images and models were generated using Comsol Multiphysics 5.4. The designs were developed to reduce turbulent flow and reduce dead space within the structures.

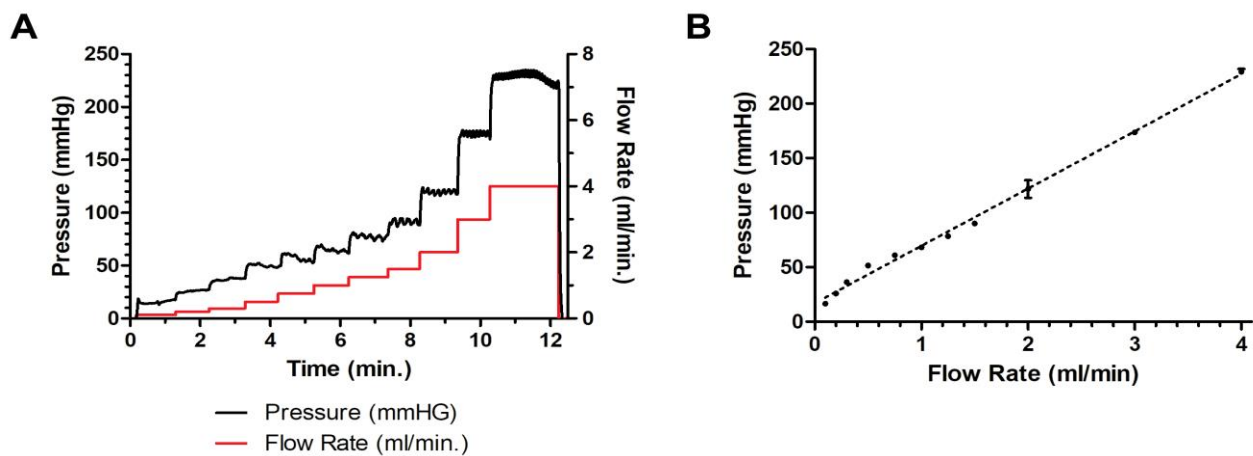


Figure S3: Pressure vs. flow rate through 3 microfluidic tumor models plumbed in parallel. **A)** Pressure profiles with a flow rate ramp using PBS for the 3rd generation design of microfluidic tumor model. **B)** Flow rate vs. pressure showed the anticipated linear relationship. The dashed line indicates the regression line of the flow profile. Each point represents the average of 10 seconds of data taken from the equilibrium pressure of the system at each flow rate.

