

Article

Injectable pH Thermo-Responsive Hydrogel Scaffold for Tumoricidal Neural Stem Cell Therapy for Glioblastoma Multiforme

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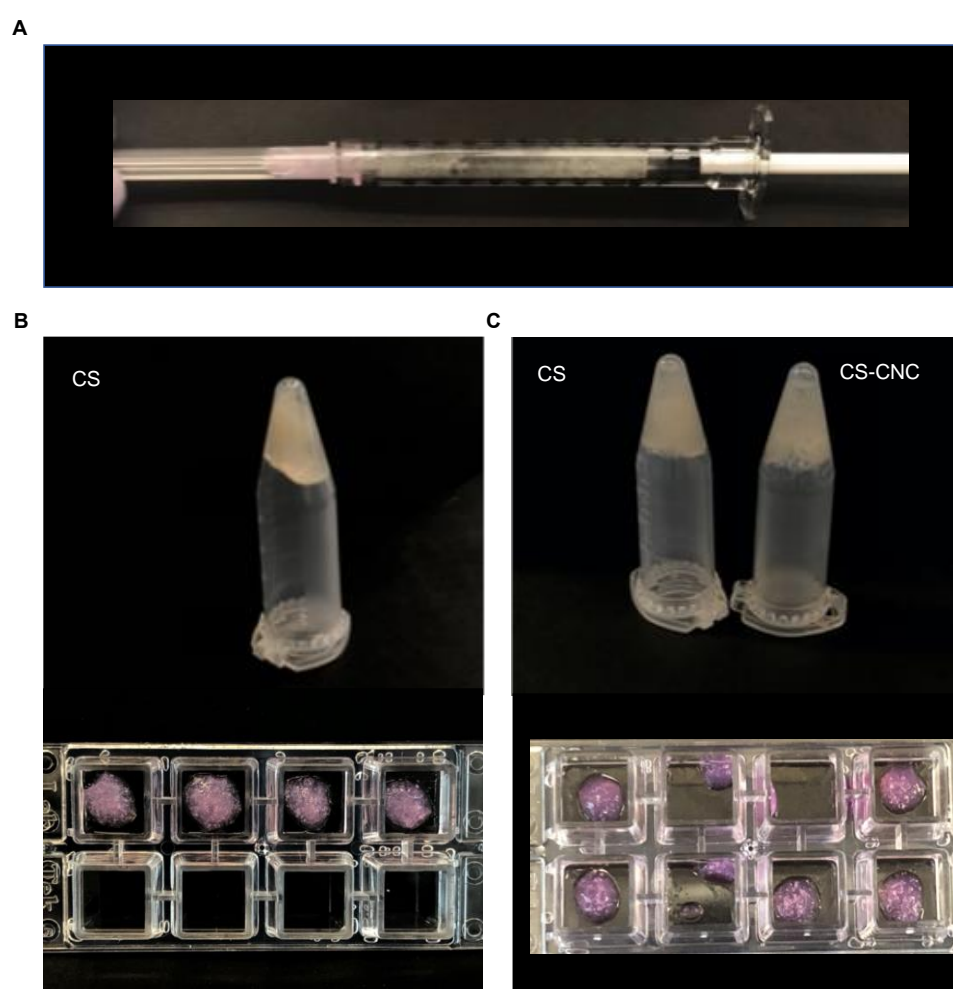


Figure S1. Non-homogeneity of NSCs in hydrogels. A) Non-homogenous distribution of 2.5×10^6 NSCs in CS pre-hydrogel syringe. B) NSC (2.5×10^7 /mL hydrogel) clumping within the CS hydrogels post gelation and 24 h following incubation. C) NSC (5×10^7 /mL hydrogel) clumping within the CS and CS-CNC hydrogels post gelation and 24 h following incubation ($n=4$; 200 μ L samples).

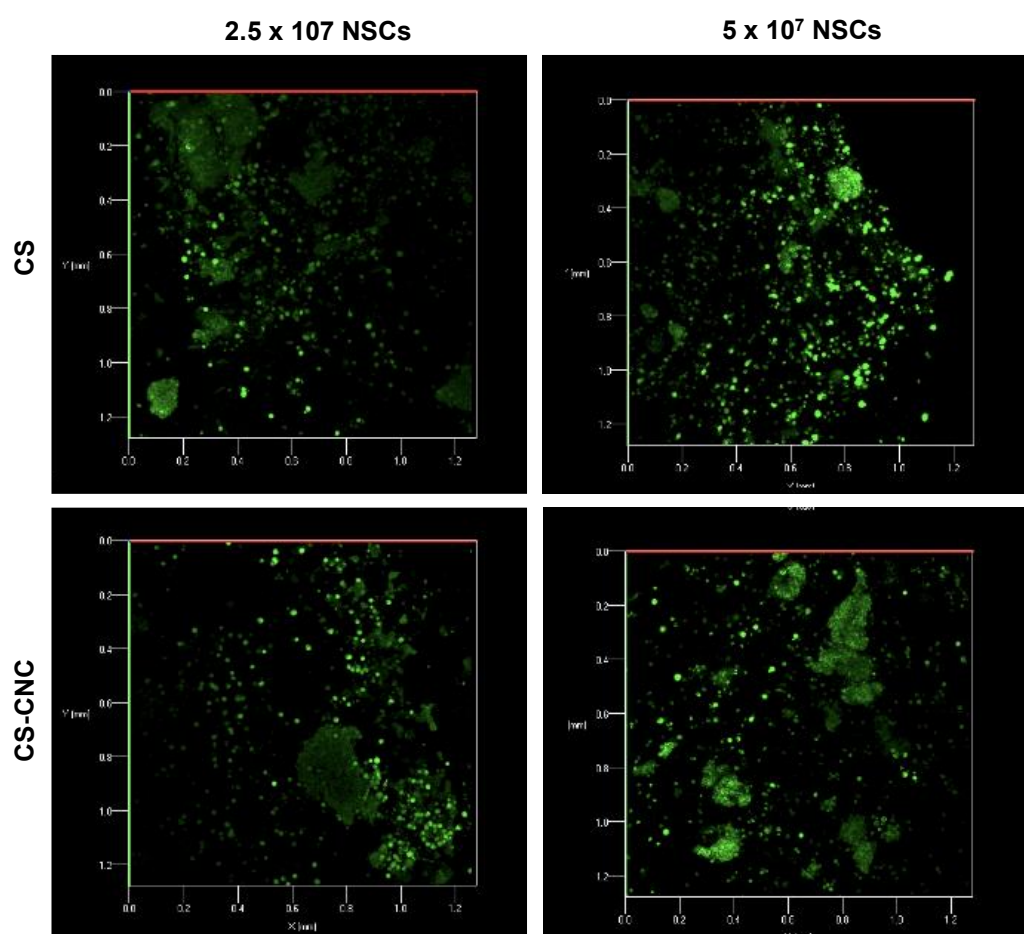


Figure S2. In vitro cell viability within hydrogel matrices. Confocal fluorescent images of NSC-hydrogels (2.5x10⁷ and 5x10⁷ NSCs/mL hydrogel) showing non-homogeneity and cell-biomaterial clumping post 24 h incubation (n=4; 200 μL samples).

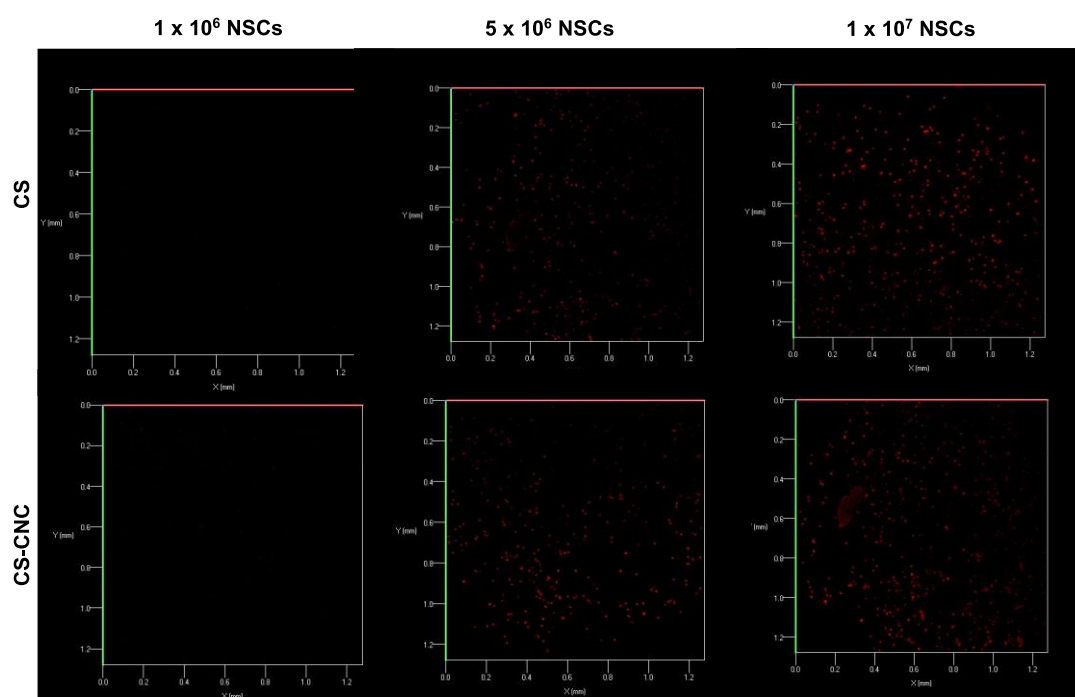


Figure S3. In vitro cell viability within hydrogel matrices. Confocal fluorescent images of NSC-hydrogels (10^6 - 10^7 NSCs/mL hydrogel) showing dead cells within the hydrogel matrix post 24 h incubation (n=3; 200 μ L samples).