

Supplementary information

Microenvironment-Responsive Hydrogels with Drug-Loaded Microspheres for Sustained Dexamethasone Acetate Release and Experimental Autoimmune Uveitis Suppression

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† Electronic supplementary information (ESI) available

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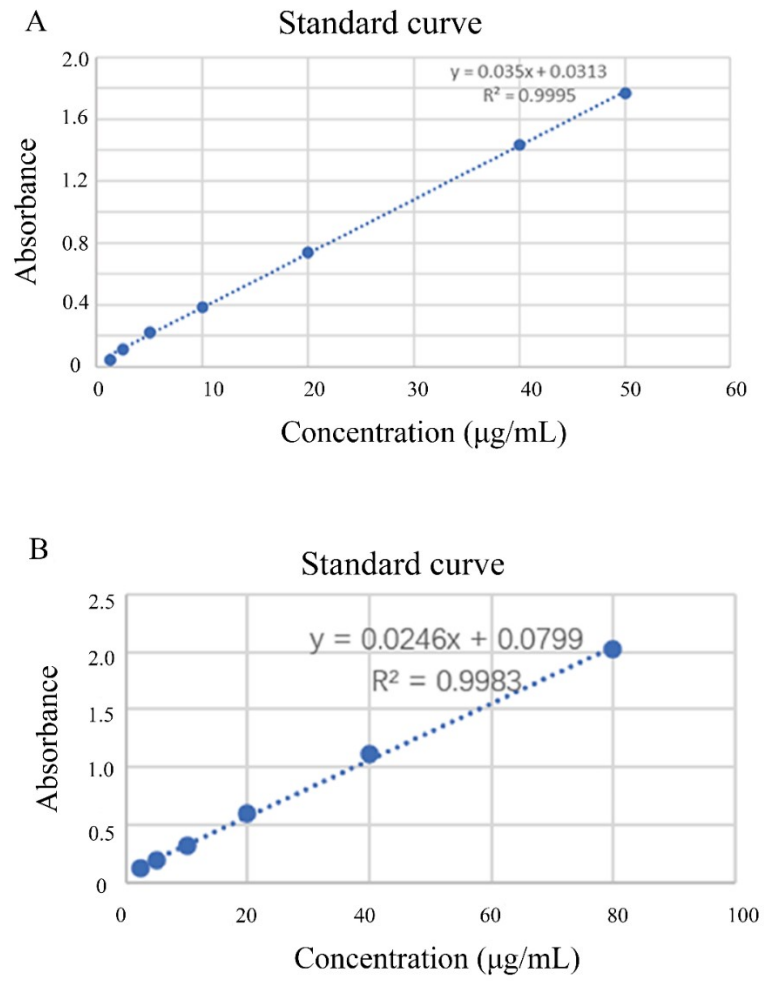


Fig. S1 Standard curve. (A) Standard curve of drug loading. (B) The standard curve of cumulative drug release.

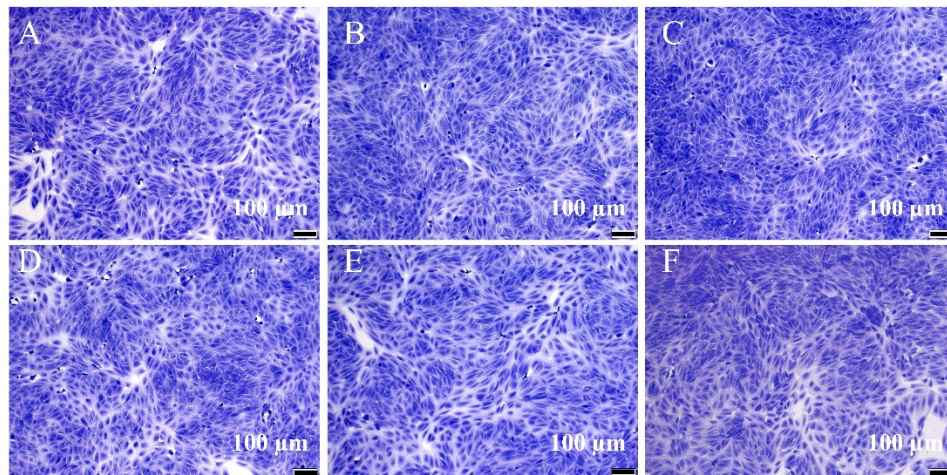


Fig. S2 Morphology of ARPE-19 cells after crystal violet staining. (A) Control group. (B–F) Hydrogel concentration gradients of 0.21 mg/mL, 0.62 mg/mL, 1.85 mg/mL, 5.56 mg/mL, and 16.67 mg/mL; scale bar: 100 μm .

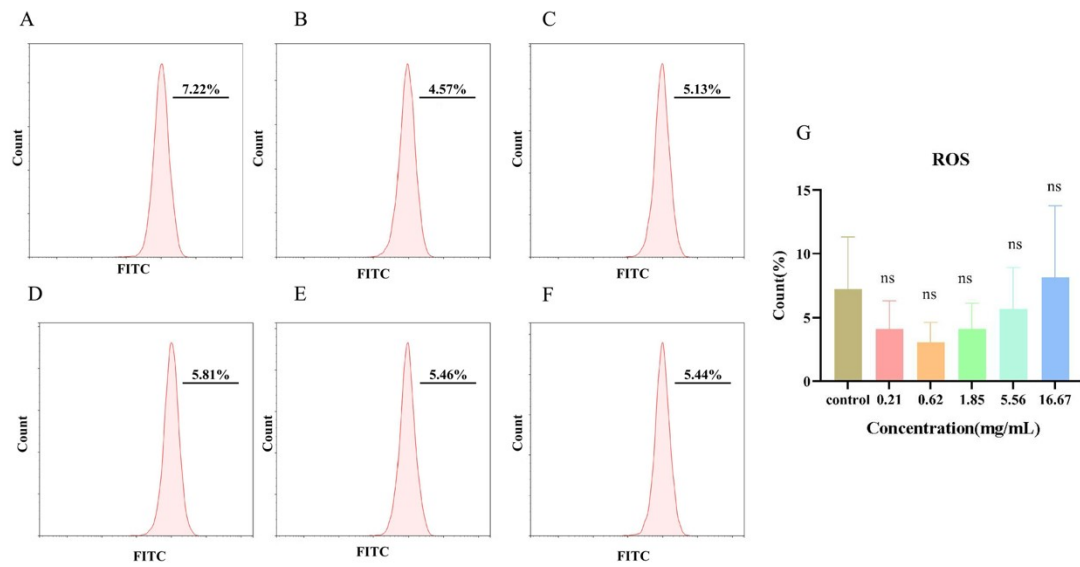


Fig. S3 ROS were detected via flow cytometry. (A) Control group. (B–F) Hydrogel concentration gradients of 0.21 mg/mL, 0.62 mg/mL, 1.85 mg/mL, 5.56 mg/mL, and 16.67 mg/mL respectively. (G) Statistical analysis of the ROS levels.

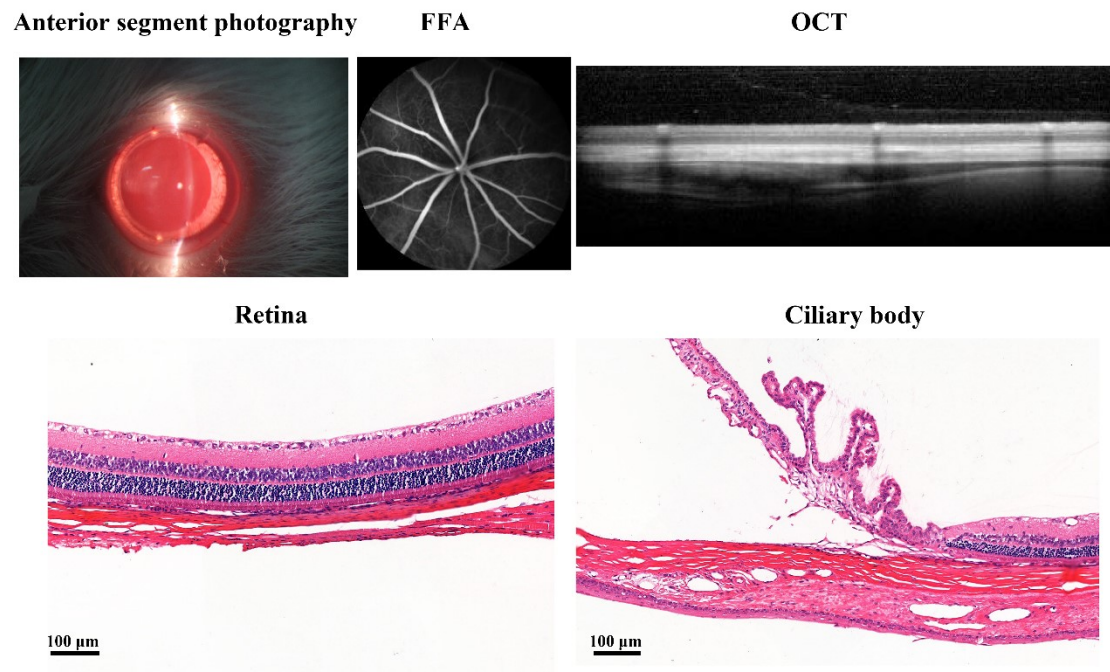


Fig. S4 Eye examination of normal rats. The scale bar for H&E staining was 100 μ m.