

Electrospun Nanofiber Membrane for Cultured Corneal Endothelial Cell Transplantation

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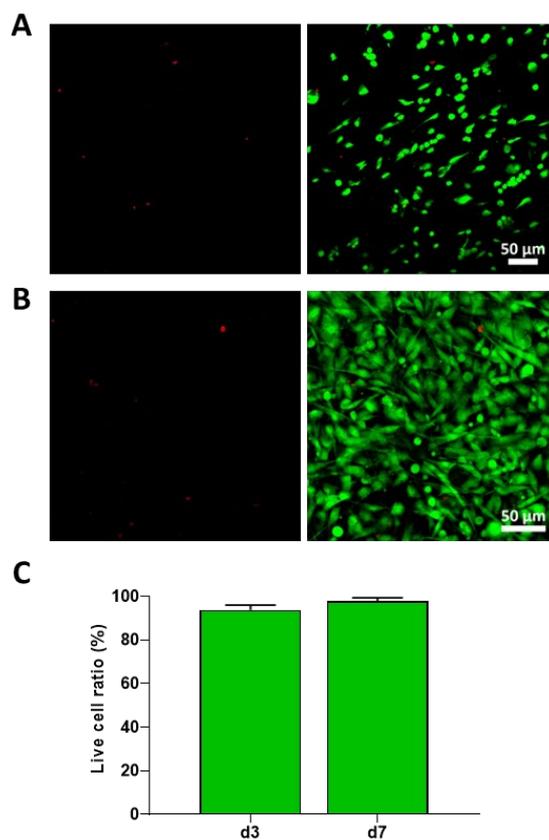


Figure S1. Cytotoxicity of gelNF. Live & Dead assay of the IHECE cultured on top of the gelNF membrane on days (A) 3 and (B) 7. Scale bars: 50 μm. (C) Quantified ratio of the live cell

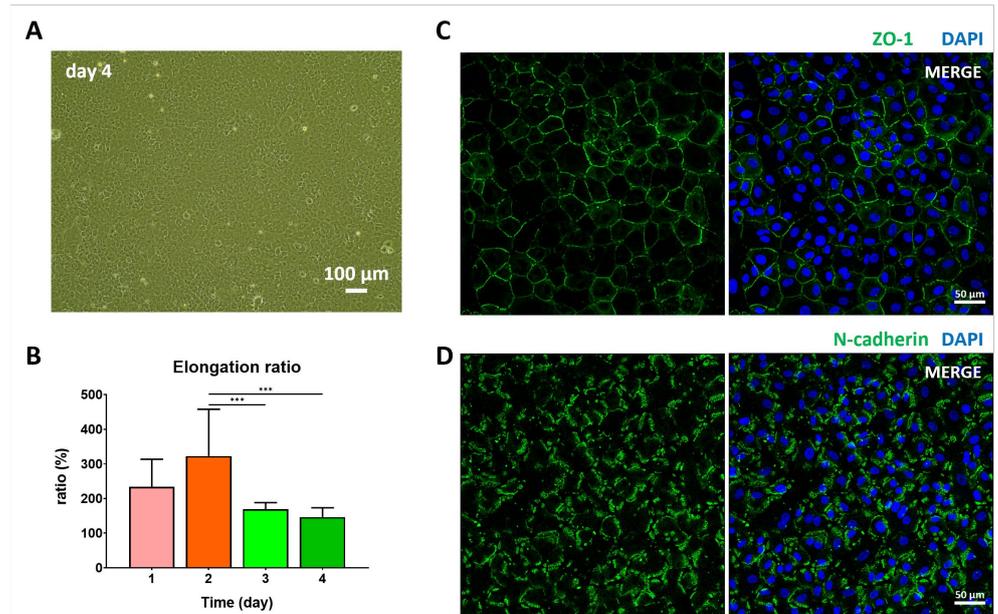


Figure S2. Isolation of primary rabbit corneal endothelial cell and characterization of shape and junctional protein expression. (A) Phase-contrast image of isolated PrCEC cultured on TCP on day 4. Scale bar: 100 μm . (B) Calculation of elongation ratio of PrCECs at different times (day). (C) Immunofluorescence staining of the ZO-1 (green) and nuclei (blue), and (D) N-cadherin (green) and nuclei (blue) on day 3. Scale bars: 50 μm .

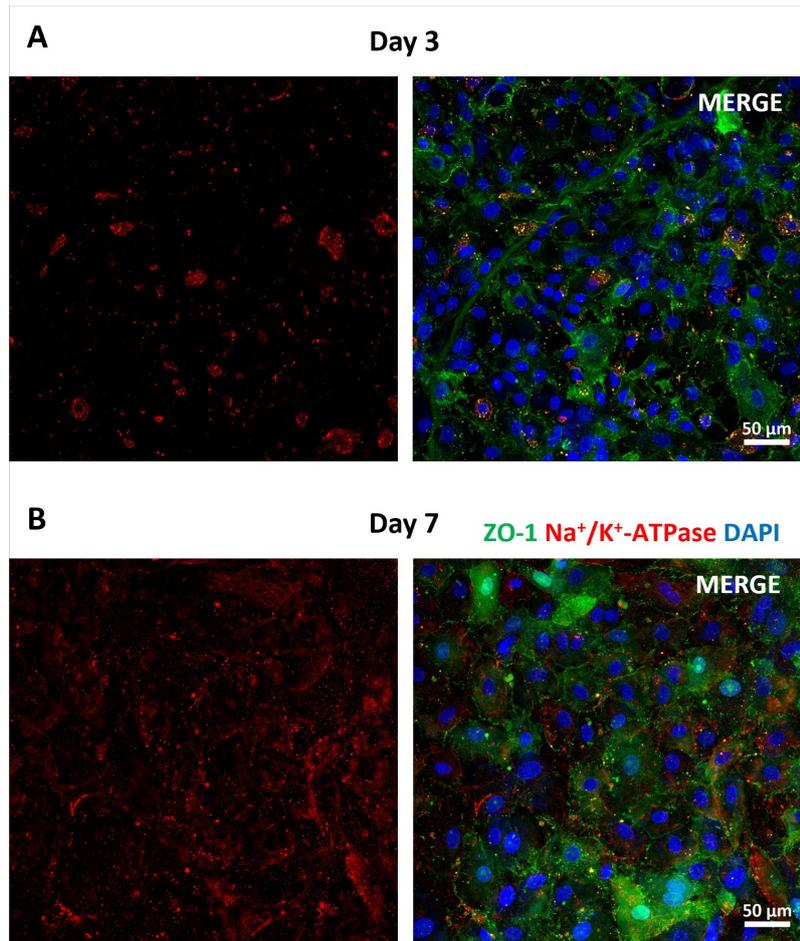


Figure S3. Functional protein expression of PrCECs cultured on top of the gelNF membrane. Immunofluorescence staining of the Na⁺/K⁺-ATPase (red), ZO-1 (green), and nuclei (DAPI) on (A) days 3 and (B) 7. Scale bars: 50 μm.