Supplementary Materials

Preparation and characterization of Bear bile loaded pH sensitive *in-situ* gel eye drops for ocular drug delivery

CONTENTS:

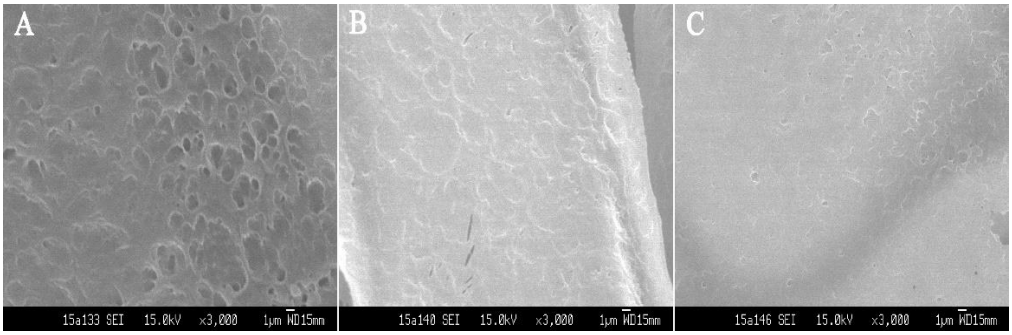

Figure S-1. The morphology of pH-sensitive bear bile *in-situ* eye gel, (A) G1, (B) G2, (C) G3 at pH 5.0 (3000X).

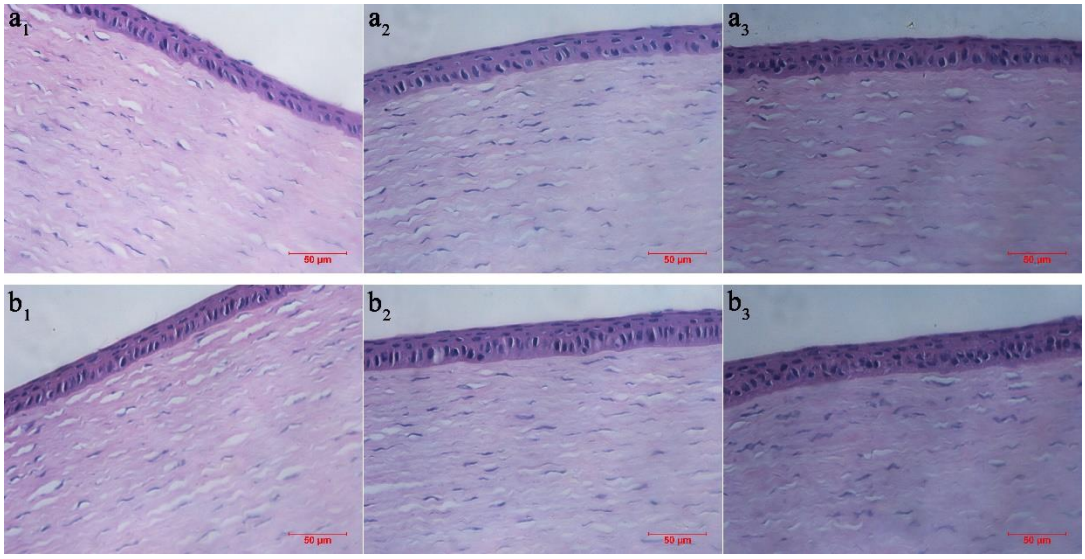

Figure S-2. Rabbits corneal pathological sections post-treatment with saline (a_1, a_2, a_3) and pH sensitive *in-situ* gels G1, G2, G3 represented as b_1, b_2, b_3, respectively (n=3).

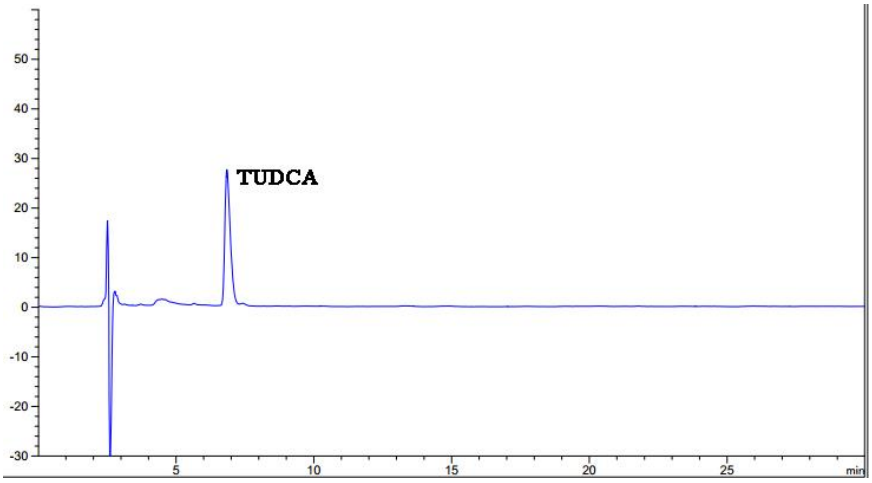

Figure S-3. HPLC chromatogram of raw TUDCA

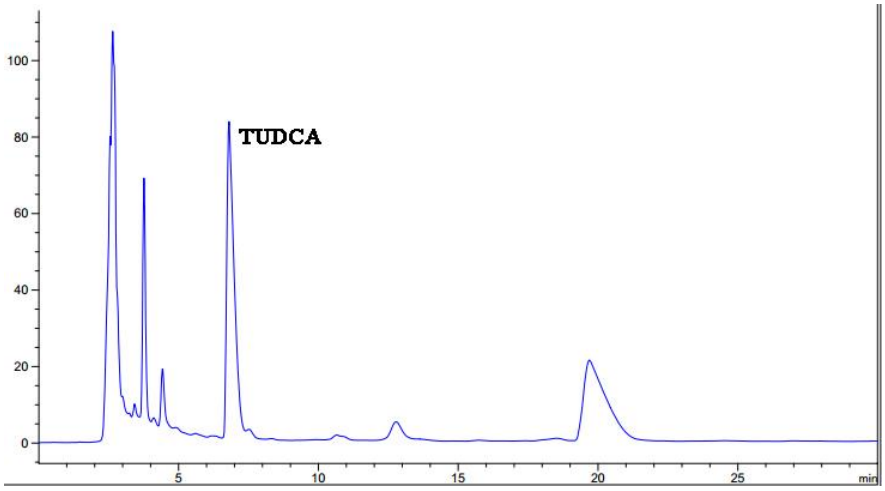

Figure S-4. HPLC chromatogram of bear bile powder

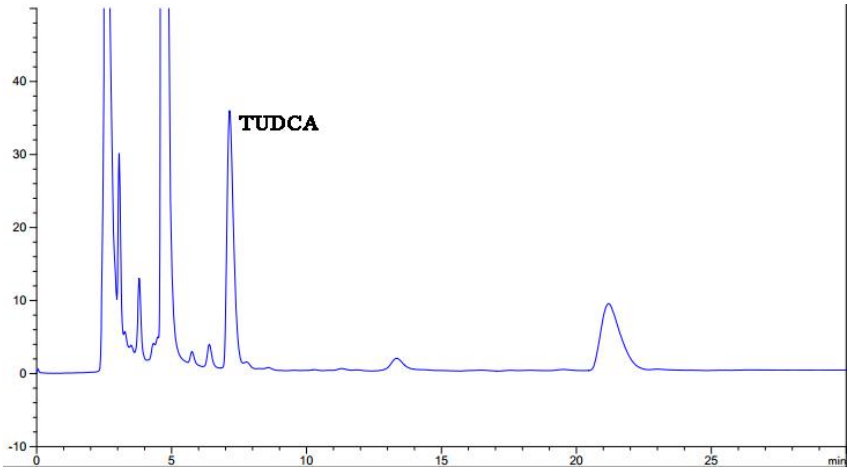

Figure S-5. HPLC chromatogram of bear bile pH-sensitive *in-situ* eye gel

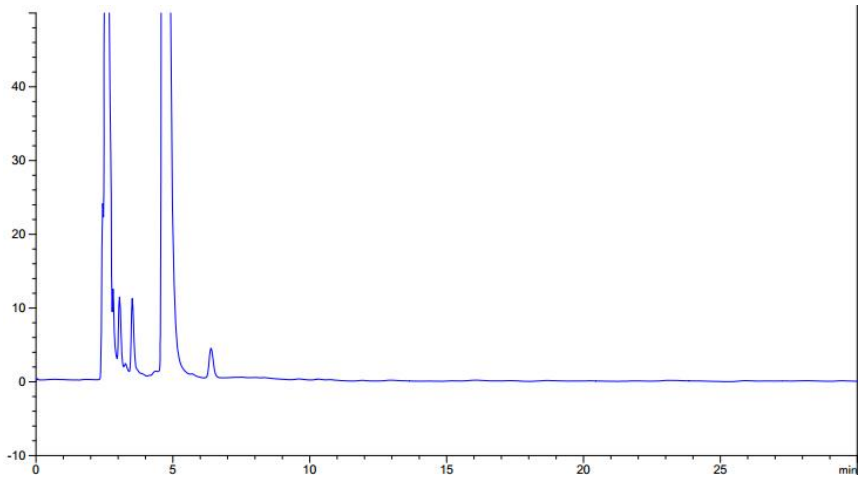

Figure S-6. HPLC chromatogram of blank pH-sensitive *in-situ* eye gel

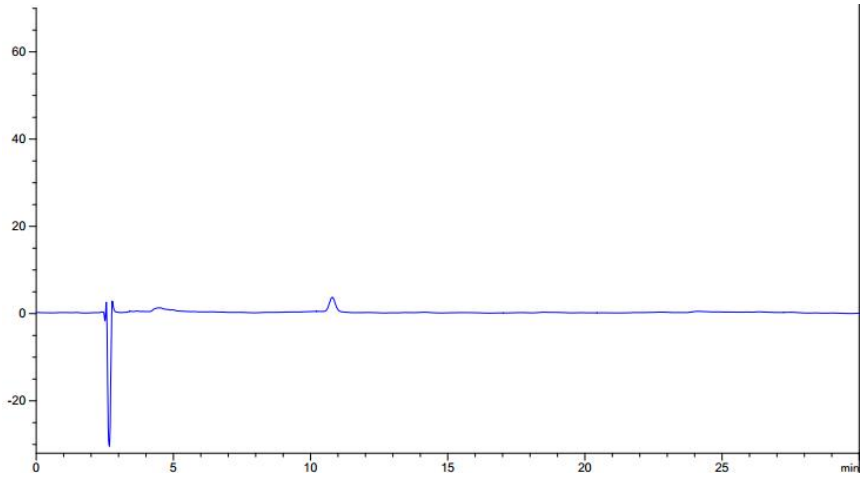

Figure S-7. HPLC chromatogram of artificial tears