

Supplementary information

Table S1. Primer sequences for PCR.

| Gene names | Sequences |
|-------------------------------|--|
| <i>Il6</i> | Forward 5'- CTGCAAGAGACTTCCATCCAG -3' Reverse 5'- AGTGGTATAGACAGGTCTGTTGG -3' |
| <i>TNFα</i> | Forward 5'- CAGGCGGTGCCTATGTCTC -3' Reverse 5'- CGATCACCCCGAAGTTCAGTAG -3' |
| <i>Il4</i> | Forward 5'- TCTCACCTCCCAACTGCTTC -3' Reverse 5'- ACTTTGCCGAGCTGTCCTTGGAGA -3' |

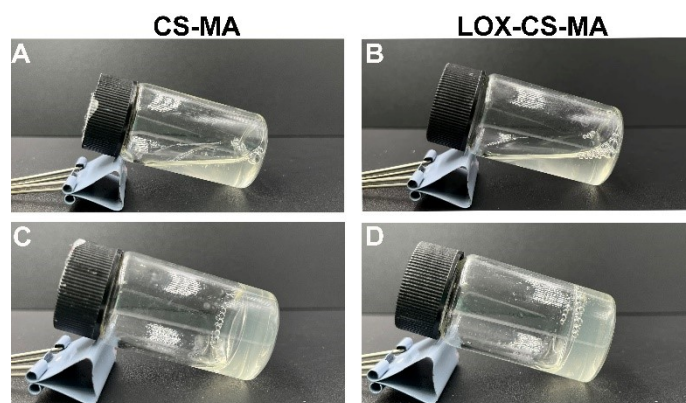


Figure S1. Photographs of CS-MA (A) and LOX-CS-MA (B) pre-gel solutions, and after visible light (405 nm) crosslinking to form CS-MA (C) and LOX-CS-MA (D) hydrogels.

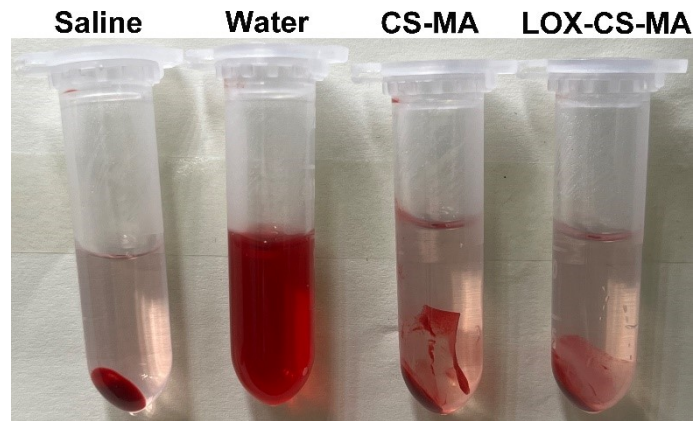


Figure S2. Photographs of the hemolysis assay for hydrogels blood compatibility testing.