

Supplementary Materials

Table S1. Hydrogel film formulations.

| Formulation No. | Amount (%w/w) | | |
|-----------------|-----------------|---------------|--------|
| | Hyaluronic acid | Gantrez™ S-97 | Pectin |
| 1 | 0.76 | 1.50 | 1.00 |
| 2 | 2.00 | 1.00 | 0.50 |
| 3 | 2.00 | 1.00 | 1.00 |
| 4 | 2.00 | 1.00 | 1.50 |
| 5 | 2.00 | 1.50 | 0.50 |
| 6 | 2.00 | 1.50 | 1.00 |
| 7 | 2.00 | 1.50 | 1.50 |
| 8 | 2.00 | 2.00 | 0.50 |
| 9 | 2.00 | 2.00 | 1.00 |
| 10 | 2.00 | 2.00 | 1.50 |
| 11 | 5.00 | 0.79 | 1.00 |
| 12 | 5.00 | 1.00 | 0.50 |
| 13 | 5.00 | 1.00 | 1.50 |
| 14 | 5.00 | 1.50 | 0.29 |
| 15 | 5.00 | 1.50 | 1.00 |
| 16 | 5.00 | 1.50 | 1.50 |
| 17 | 5.00 | 1.50 | 1.71 |
| 18 | 5.00 | 2.00 | 0.50 |
| 19 | 5.00 | 2.00 | 1.00 |
| 20 | 5.00 | 2.00 | 1.50 |
| 21 | 5.00 | 2.21 | 1.00 |
| 22 | 8.00 | 1.00 | 1.00 |
| 23 | 8.00 | 1.50 | 0.50 |
| 24 | 8.00 | 1.00 | 1.50 |
| 25 | 8.00 | 1.50 | 1.50 |
| 26 | 8.00 | 2.00 | 0.50 |
| 27 | 8.00 | 2.00 | 1.00 |
| 28 | 8.00 | 2.00 | 1.50 |
| 29 | 9.24 | 1.50 | 1.00 |