

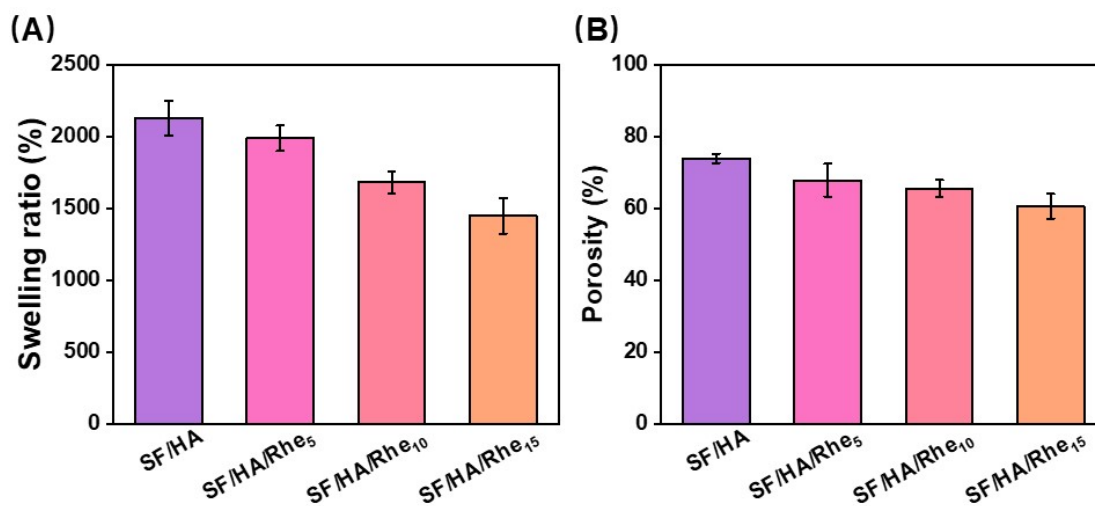
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Supplementary Information

2 A Rhein-Integrated Hydrogel Dressing with Antibacterial, 3 Antioxidant and pH-Responsive Colorimetric Properties

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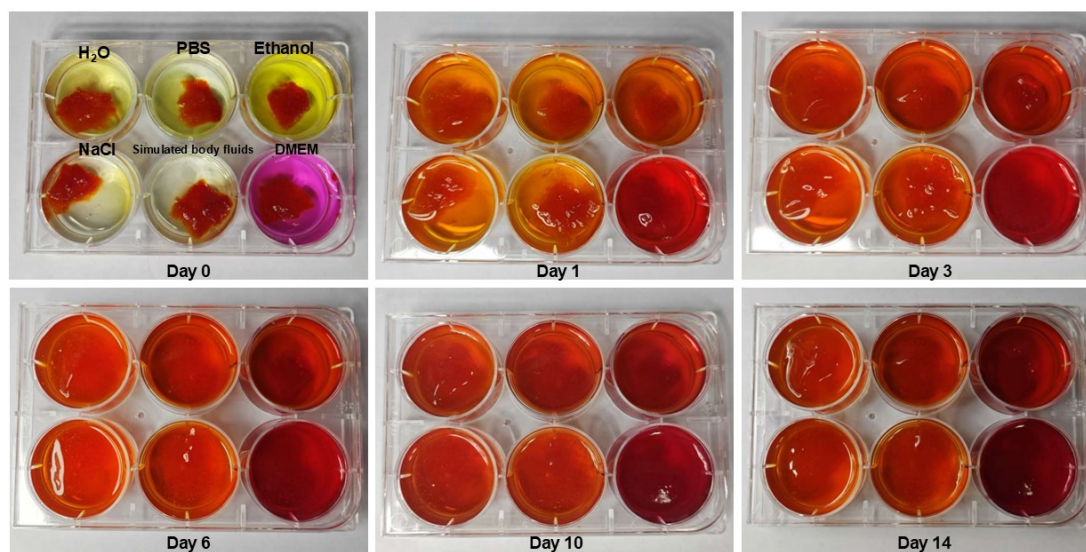
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7 **Figure S1.** Swelling properties of SF-HA/Rhe hydrogels.

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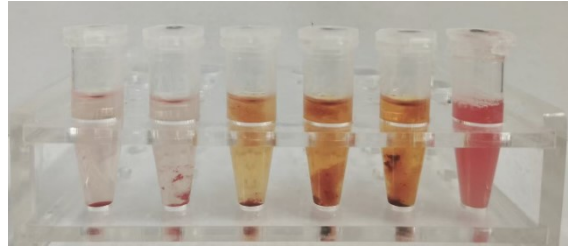
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12 **Figure S2.** Corresponding images of SF-HA/Rhe hydrogels immersed in different
13 solutions on days 0, 1, 3, 6, 10, and 14.

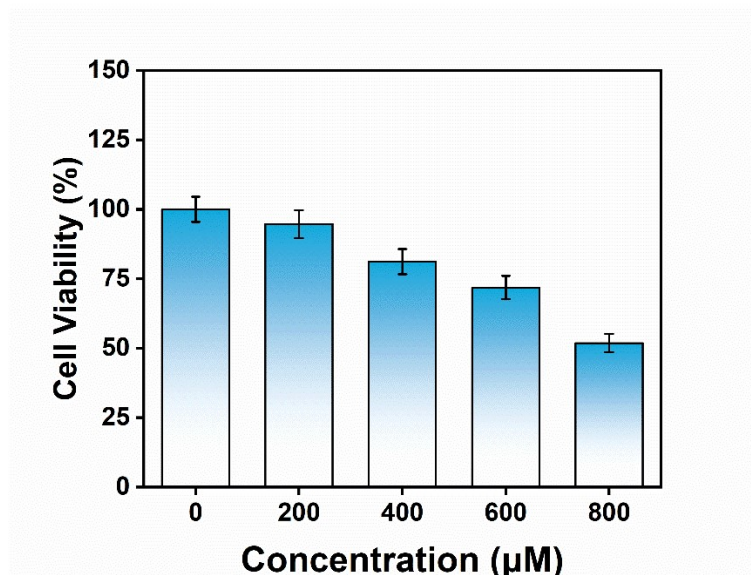


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15 **Figure S3.** Hemolysis photographs of the hydrogels (from left to right: PBS group, SF-
16 HA group, SF-HA/Rhe₅, SF-HA/Rhe₁₀ and SF-HA/Rhe₁₅ hydrogel groups and water
17 group, respectively).

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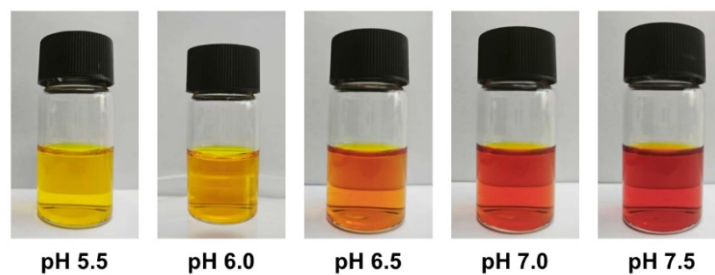


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21 **Figure S4.** Cell viability of HUVECs treated with different concentrations of H₂O₂
22 for 1 hour.

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26 **Figure S5.** Diagrams of Rhe solutions under different pH conditions.