**Supporting Information**

**Preparation of antimicrobial hyaluronic acid/quaternized chitosan hydrogels for the promotion of seawater immersion wound healing**

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**Supplementary Table 1 Antimicrobial MIC (mg/mL) of quaternary ammonium chitosan.**

|  |  |  |  |
| --- | --- | --- | --- |
| Polymer | **(MIC, mg/mL)** | | |
| *E. coli* | *S. aureus* | |
| O-HACC | 6.25 | | 24.2 |
| N-HACC | 0.039 | | 0.078 |

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**Figure S1** (A) Full-thickness wound models on skin of SD rat with seawater immersion. (B) Wounds were sewn up with the hydrogels using silicon film.



**Figure S2** Locally enlarged images of H&E at day 3, day 7, day 10, day 14, and day 21.



**Figure S3** Locally enlarged images of Sirius red staining at day 7, day 10, day 14, and day 21.