**An injectable Chitosan-based self-healable hydrogel system as** **an antibacterial wound dressing**

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## **Table S1.** Element analysis results of CTS-CHO.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample | C (%) | N (%) | H (%) | OD (%) |
| CTS | 41.77 | 7.12 | 6.73 | N/A |
| CTS-CHO | 38.88 | 5.32 | 6.09 | 14.75% |

A screenshot of a computer

Description automatically generated with low confidenceFigure S1. Images of bacterial growth inhibition profile at different concentrations: A: 10 mg/mL; B: 30 mg/mL; C: 50 mg/mL. Scale bar: 8 mm.

## Chart, bar chart Description automatically generated**Figure S2.** Bacterial growth inhibition zone at different concentrations: A: 10 mg/mL; B: 30 mg/mL; C: 50 mg/mL (n=3).

## **Table S2.** Inhibitory zone of CTS-CHO at different concentrations (n=3).

|  |  |
| --- | --- |
| **Concentration (mg/mL)** | **Average inhibitory zone (mm)** |
| 10 | 8 |
| 30 | 13.5 |
| 50 | 15.0 |

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