

An antibacterial and absorbable silk-based fixation material with impressive mechanical properties and biocompatibility

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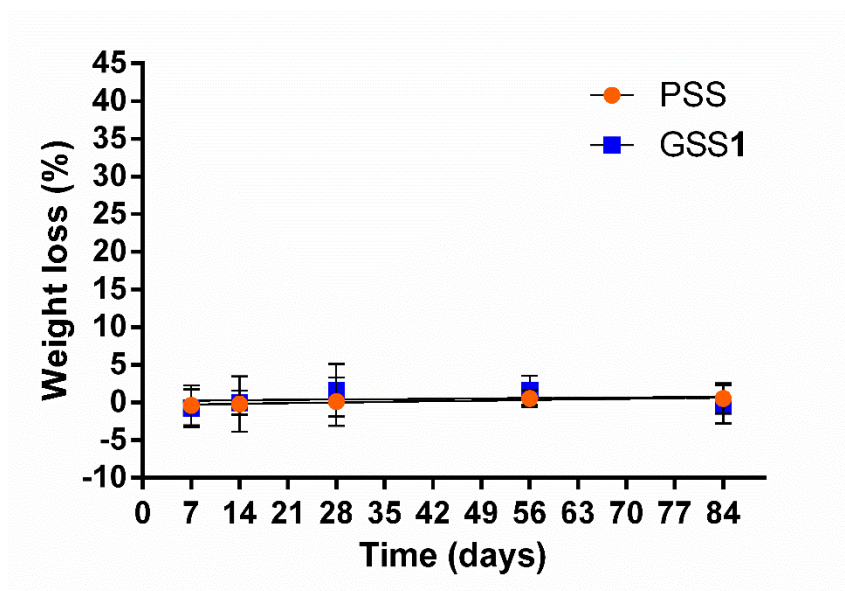


Figure-S1 Weight loss of PSS and GSS1 after immersion in PBS for different durations.

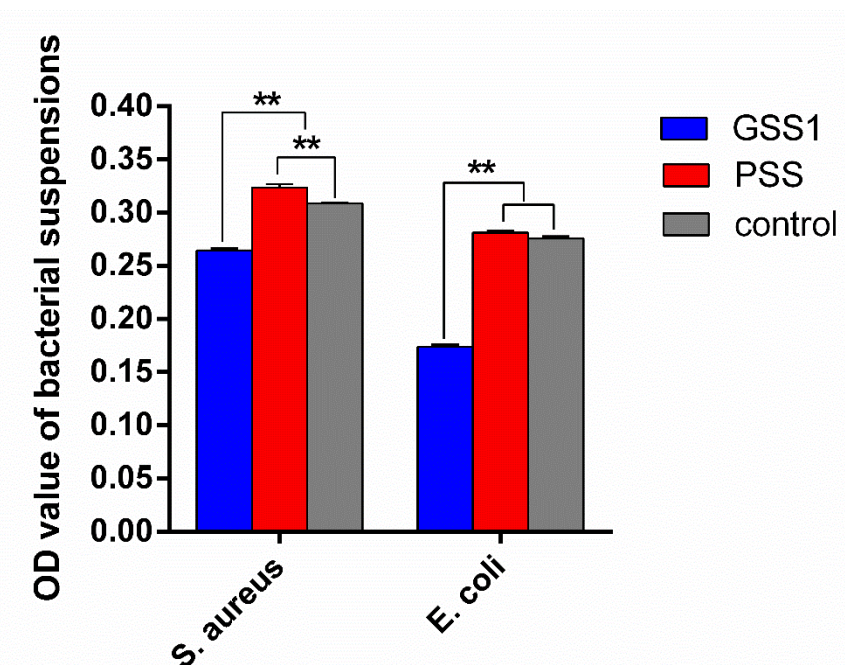


Figure-S2 OD values of *S. aureus* and *E. coli* suspensions after 24 h of incubation. After 24 h of incubation, the OD values of the *S. aureus* and *E. coli* suspensions in GSS1 were significantly ($p < 0.01$) lower than in the control group. In addition, the OD values of *S. aureus* in the PSS group were significantly ($p < 0.01$) higher than in the control group. However, the

*OD values of E. coli between the PSS and control groups were not significantly ($p > 0.05$) different (** $p < 0.01$).*