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Article

Supplementary Materials: Realizing Both Antibacterial Activity and Cytocompatibility in Silicocarnotite Bioceramic via Germanium Incorporation

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Inhibition diameter assessment

In brief, 100 μL bacteria suspension (10^7 cfu/mL) including *S. aureus* or *E. coli* was seeded on TSB or LB agar medium rspectively, and the sample was put on its surface and then cultured for 18 h at 37 ℃ in an incubator under the atmosphere. The antibacterial ability was investigated by the area of inhibition rings around the specimens (the bigger the area, the better the antibacterial property).

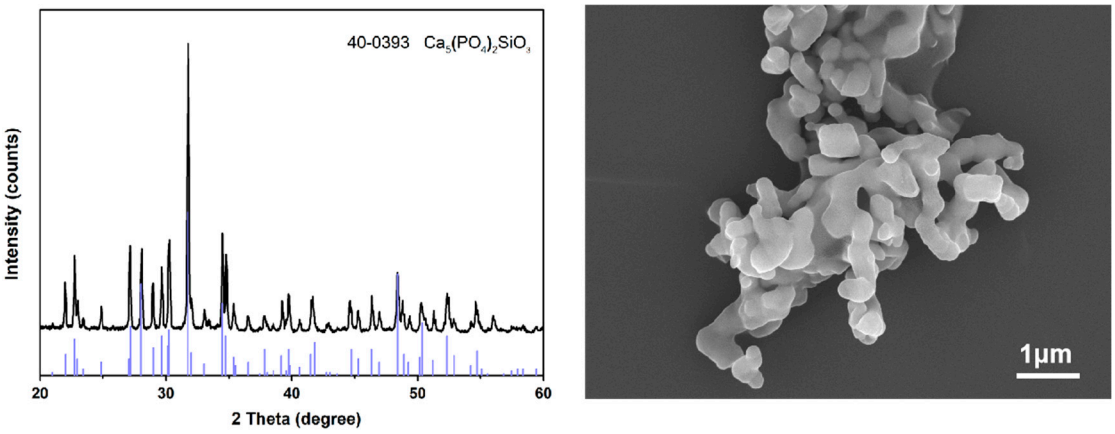

Figure S1. XRD patterns and SEM morphologies of the CPS powders.

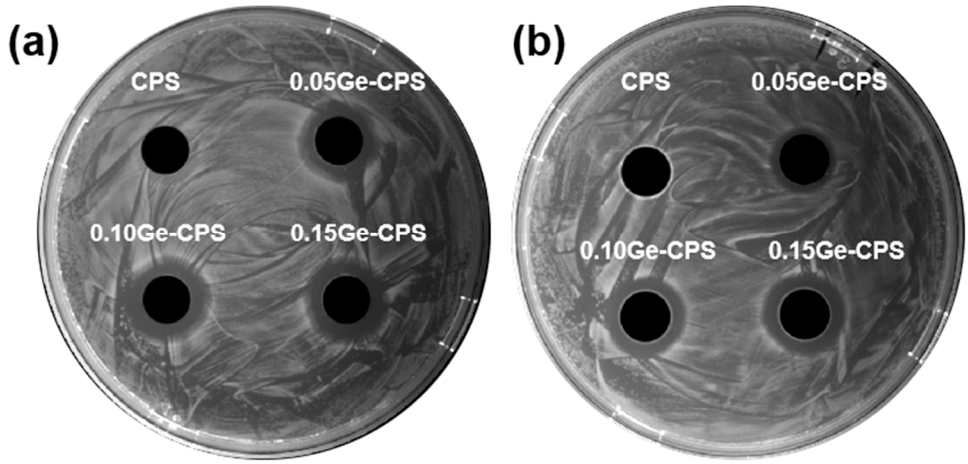

Figure S2. Inhibition rings around CPS, 0.05Ge-CPS, 0.10Ge-CPS and 0.15Ge-CPS samples against (**a**) *E. coli* and (**b**) *S. aureus.*