

Supplementary material

Sustained release of chlorogenic acid-loaded nanomicelles alleviates bone loss in mouse periodontitis

Han Li, ^{‡a} Jiming Xu, ^{‡b} Jun-Feng Hu, ^b Qing-Yun Hu, ^a Xiaolin Fang, ^a Zhi-Jun Sun, ^a Zhigang Xu ^{*b, c} and Lu Zhang ^{*a}

^a The State Key Laboratory Breeding Base of Basic Science of Stomatology (Hubei-MOST) & Key Laboratory of Oral Biomedicine of Ministry of Education, School & Hospital of Stomatology, Wuhan University, Wuhan 430079, China.

^b School of Materials and Energy & Chongqing Key Laboratory of Soft-Matter Material Chemistry and Function Manufacturing, Southwest University, Chongqing, 400715, China.

^c Key Laboratory of Laser Technology and Optoelectronic Functional Materials of Hainan Province, College of Chemistry and Chemical Engineering, Hainan Normal University, Haikou 571158, China.
Corresponding Authors

*E-mail: zgxu@swu.edu.cn (Z.X.).

*E-mail: luzhang2012@whu.edu.cn (L.Z.).

[‡] These authors contributed equally to this work.

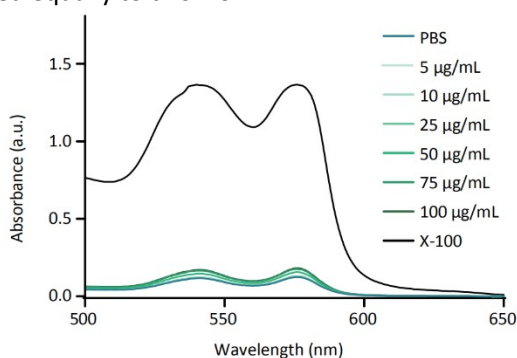


Figure S1. UV-vis spectra absorption of the blood supernatants incubated with PBS, 1% Triton X-100, and different concentrations of CGA-PLGA@PVP.

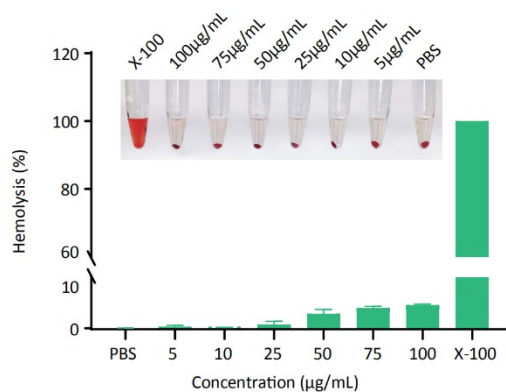


Figure S2. Hemolysis rates with inset photographs of the centrifugal supernatants of samples.

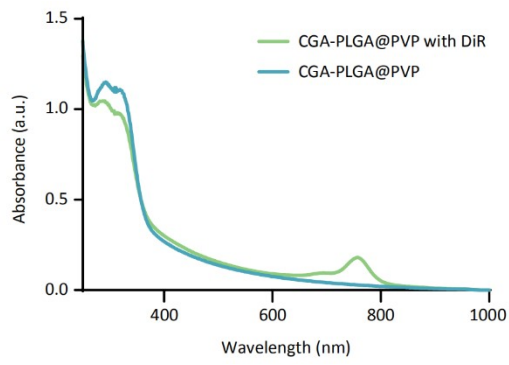


Figure S3. UV absorption spectra of CGA-PLGA@PVP with DiR and CGA-PLGA@PVP.

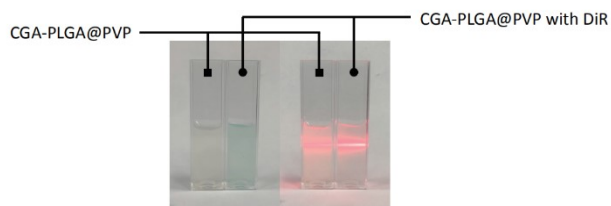


Figure S4. The photographs of CGA-PLGA@PVP with DiR and CGA-PLGA@PVP.



Figure S5. Schematic diagram of ligature-induced periodontitis in mice.

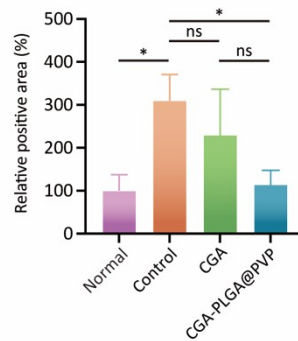


Figure S6. TNF- α levels in gingiva tissues were assessed.

