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Supporting information for

Chitosan-decorated calcium hydroxide microcapsules with pH-triggered release for endodontic applications

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Table S1. Primer sequence (5'–3') for quantitative real-time PCR.

Name	Forward Primer	Reverse Primer	Product Size (bp)
GAPDH	CGACAGTCAGCCGCATCTT	CCAATACGACCAAATCCGTTG	193
IL-1β	TGCACGATGCACCTGTACGA	AGGCCCAAGGCCACAGGTAT	193
IL-6	GTGAGGAACAAGCCAGAGC	TACATTTGCCGAAGAGCC	232
RUNX2	TCTTAGAACAAATTCTGCCCTTT	TGCTTTGGTCTTGAAATCACA	136
COL I	ATGGGAGGAGAGCGTGTG	GAGGTCGGAGAGCAGAGG	99

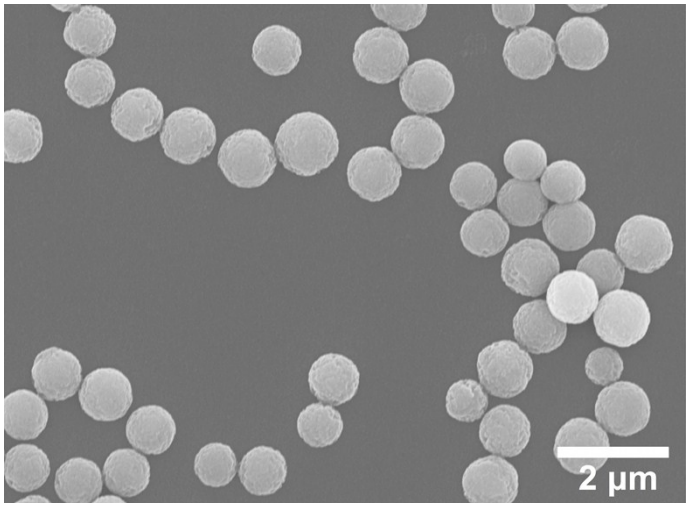

Fig. S1. SEM image of CS-EC@$Ca(OH)_2$ microcapsules at low magnification.

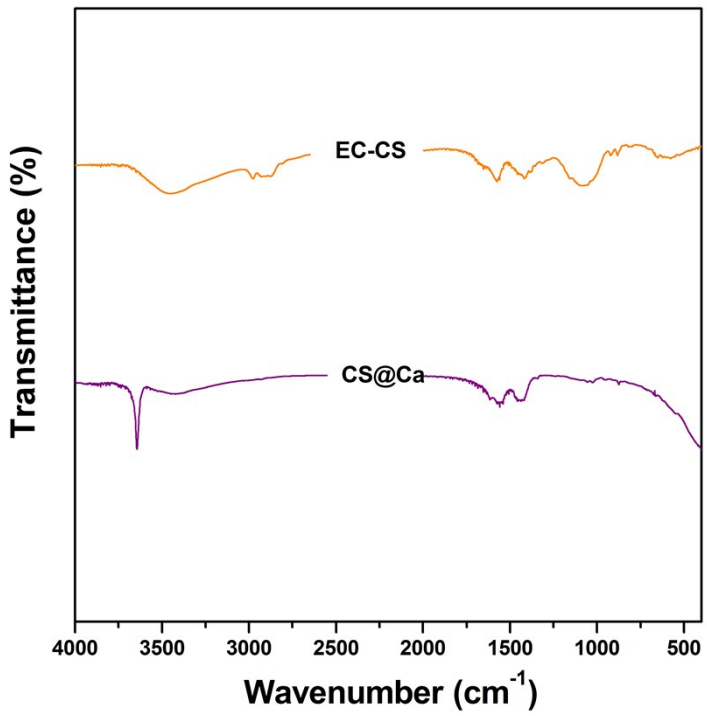

Fig. S2. FT-IR spectra of CS@Ca$(OH)_2$ and EC-CS mixture, respectively.

Table S2. Surface elemental analysis by XPS.

Elements	Ca	EC	CS	EC@Ca	CS-EC@Ca
C 1s	10.5 %	72.4 %	66.5 %	58.7 %	69.1 %
O 1s	61.2 %	27.6 %	27.3 %	35.9 %	24.6 %
N 1s	0.0 %	0.0 %	6.2 %	0.0 %	3.4 %
Ca 2p	28.3 %	0.0 %	0.0 %	5.4 %	0.3 %
Na 1s	0.0 %	0.0 %	0.0 %	0.0 %	2.6 %