

Supplementary Table S1. Chitosan percentages (%) incorporated into Biodentine material.

Test group	BD-P (g)	CS-P (g)	BD-L (μL)
BD Control	0.7	–	180
BD + 2.5 wt% CS	0.6825	0.0175	180
BD + 5 wt% CS	0.665	0.035	200
BD + 10 wt% CS	0.63	0.07	270
BD + 20 wt% CS	0.56	0.14	400

To assure consistency between samples, the dry powder of Biodentine was reweighed, before mixing, to exact 0.7 g as weight variations between Biodentine capsules were observed. The manufacturer liquid was measured and dispensed in microlitres. Biodentine powder weighing 0.7 g (BD-P) was mixed with 180 μ L of the manufacturer Biodentine liquid (BD-L [5 drops of Biodentine liquid = 180 μ L]). Incorporating higher concentrations of chitosan (> 2.5 wt%) required higher volumes of BD liquid to triturate the new composite.