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SUPPLEMENTARY INFORMATION

Figure S1. Cooling Curves of the different tricalcium phosphate (TCP) inks prepared with gelatine, measured by placing a termocouple inside the paste. Note that the temperature of the inks just after mixing was around 28 °C. Room temperature was 22.5 °C.



Figure S2. Indexed diffractograms with the different reflections hkl in blue for calcium deficient hydroxyapatite and in red for  $\alpha$ -TCP.



Figure S3. Cell morphology on the different samples: a) set  $\alpha$ -TCP; b) non-crosslinked  $\alpha$ -TCP/gelatine set scaffold and c) crosslinked  $\alpha$ -TCP/gelatine set scaffold, after 5 h of culture