

Porous gelatin hydrogels. Part B. *In vitro* cell interaction study

(SUPPORTING INFORMATION)

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Preliminary study of calcification within CAL-72 seeded hydrogels

CAL-72 seeded hydrogels were cultured for 4 weeks in DMEM (Dulbecco's Modified Eagle Medium, Sigma) supplied with 10% FCS, 1% Penicillin/Streptomycin (Gibco) and 2% Glutamax (Gibco) at 37°C (5% CO₂). Culture medium was changed twice a week. After four weeks, calcein (Sigma-Aldrich) was added to the medium at a concentration of 5µg/ml. After two days, the medium was changed and possible fluorescence related to calcification in the hydrogel was measured using confocal microscopy (Leica TCS NT, $\lambda_{\text{ex}} = \lambda_{\text{em}} =$). The results, shown in the figure below clearly indicate regions where nodules can be observed.

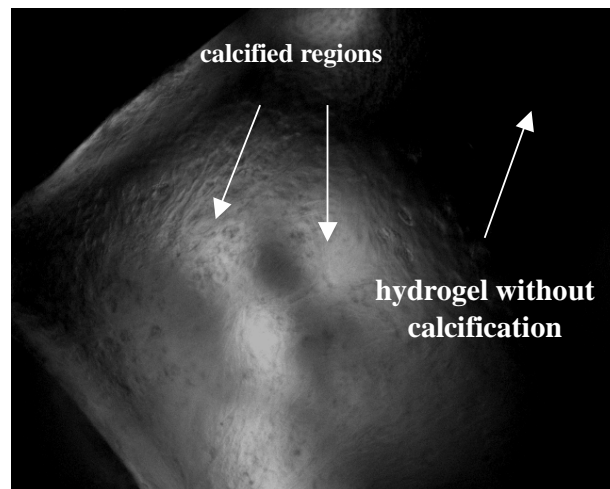


Figure 1. Calcification within CAL-72 seeded gelatin hydrogels
as visualised by confocal microscopy.