

Supplementary Materials

# Oxidized Low-Density Lipoprotein Promotes *in vitro* Calcification

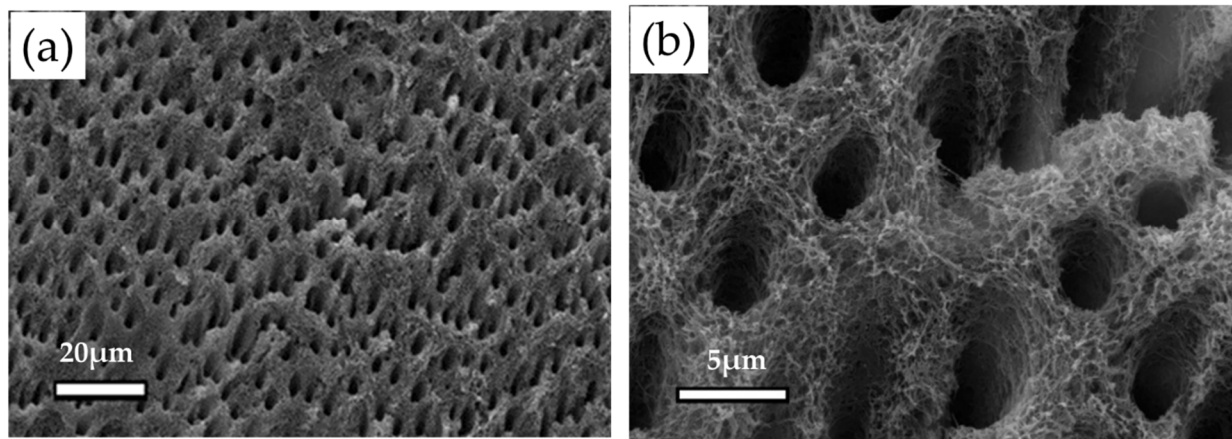
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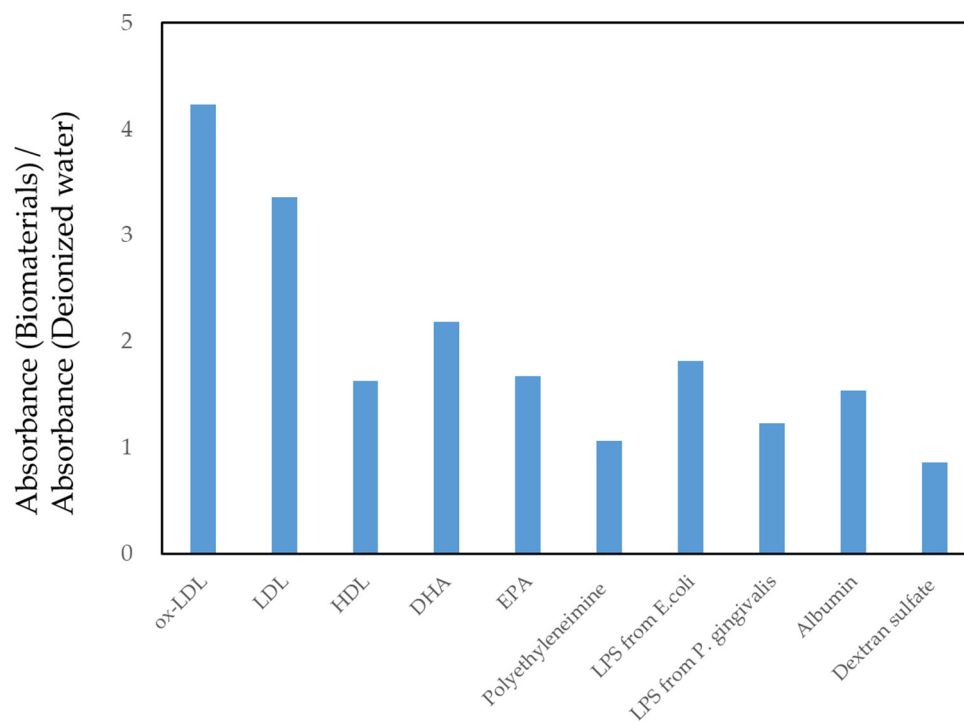
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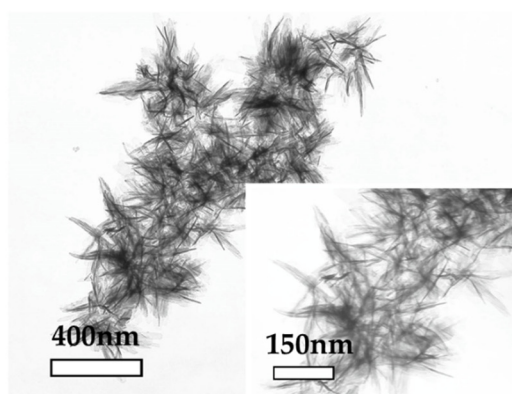


**Figure 1.** Decalcified bovine dentin as observed by scanning electron microscopy. (a) 20 μm; (b) 5 μm. The apatite crystals were not observed between dentin matrix collagen fibers.

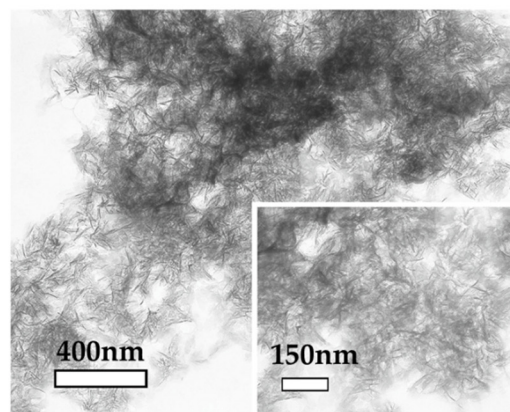


**Figure S2.** Relative absorbance of the solutions containing biomaterials. Absorbances of the solutions of biomaterials were divided by that of deionized water. Solution containing ox-LDL was highest and 4.2 times that of deionized water. Absorbance obtained by 4.86mM calcium, 2.71mM phosphate and 0.025% biomaterials.

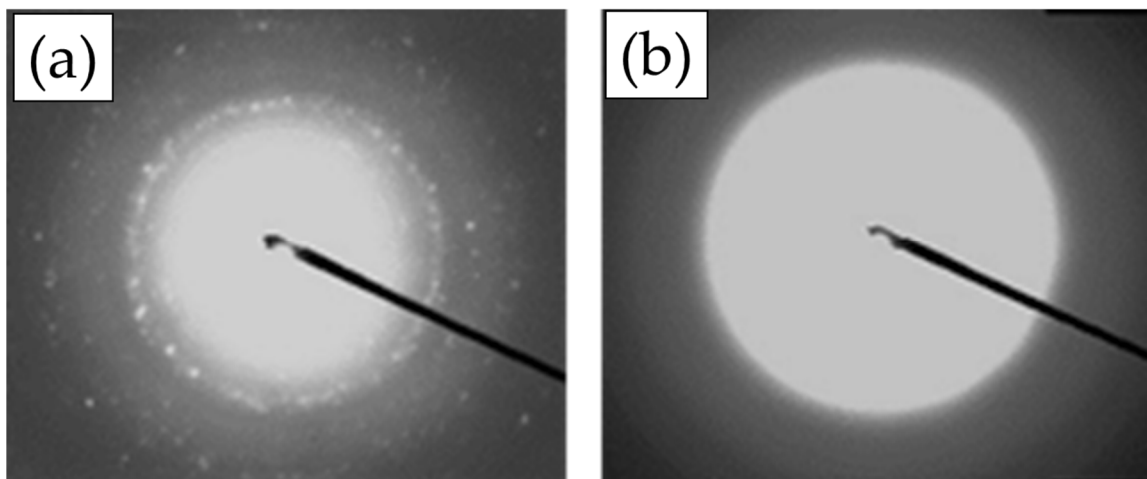
(A)



(B)



**Figure S3.** Crystal Shape in the Solution Containing albumin and dextran after 24 h reaction.(A) Albumin (B) Dextran sulfate.



**Figure 4.** Selected area of electron diffraction pattern.(a): Diffraction spots obtained from hydroxyapatite crystal.(b): Halo pattern obtained from the oval shaped precipitates.



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