Supplementary materials

IMMOBILIZED BISPHOSPHONATES AS POTENTIAL INHIBITORS OF BIOPROSTHETIC CALCIFICATION: EFFECT ON DIFFERENT XENOGENEIC CARDIOVASCULAR TISSUES

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S1. FTIR-spectroscopy results

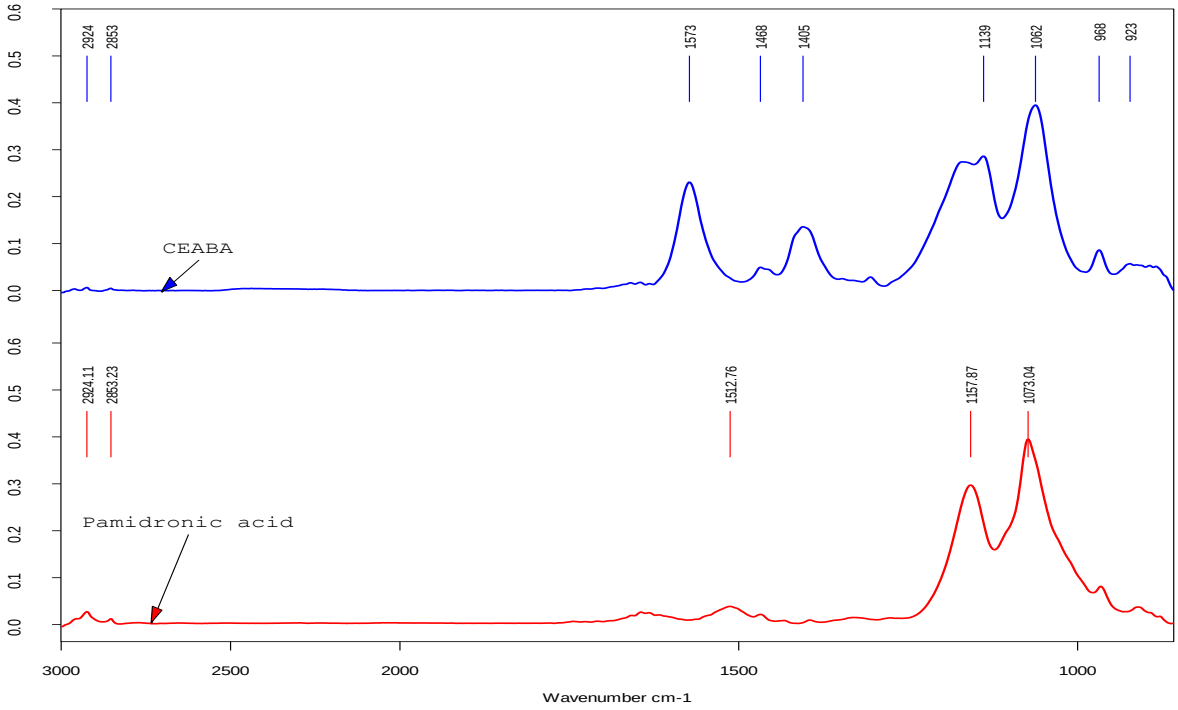

Figure S1. ATR-FTIR spectra of bisphosphonic acids solutions at pH 7

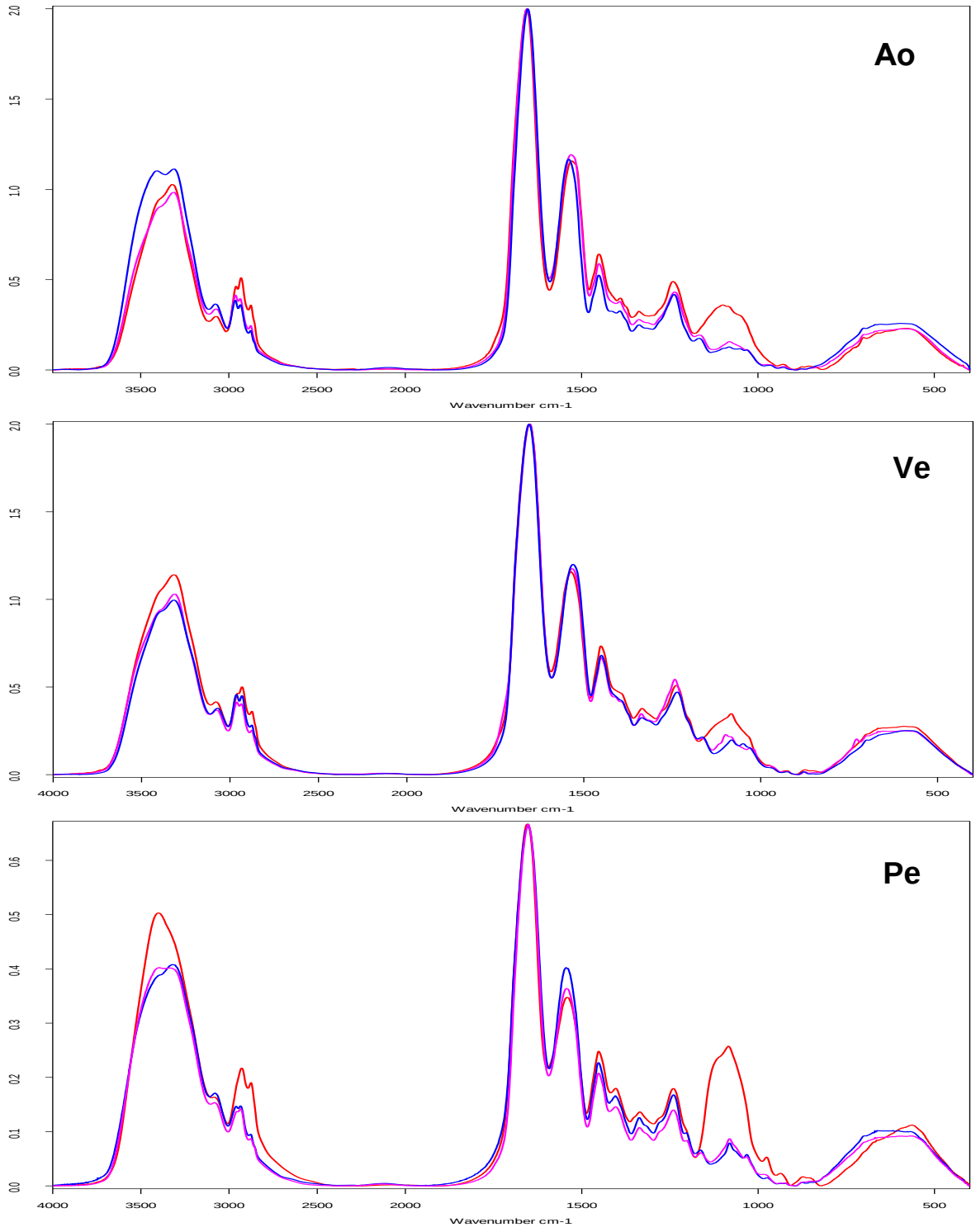

Figure S2. FTIR spectra of bioprosthetic materials: untreated (blue lines), cross-linked with GA (pink lines) or DE (red lines).

S2. SEM of the sample surfaces at different times after the implantation

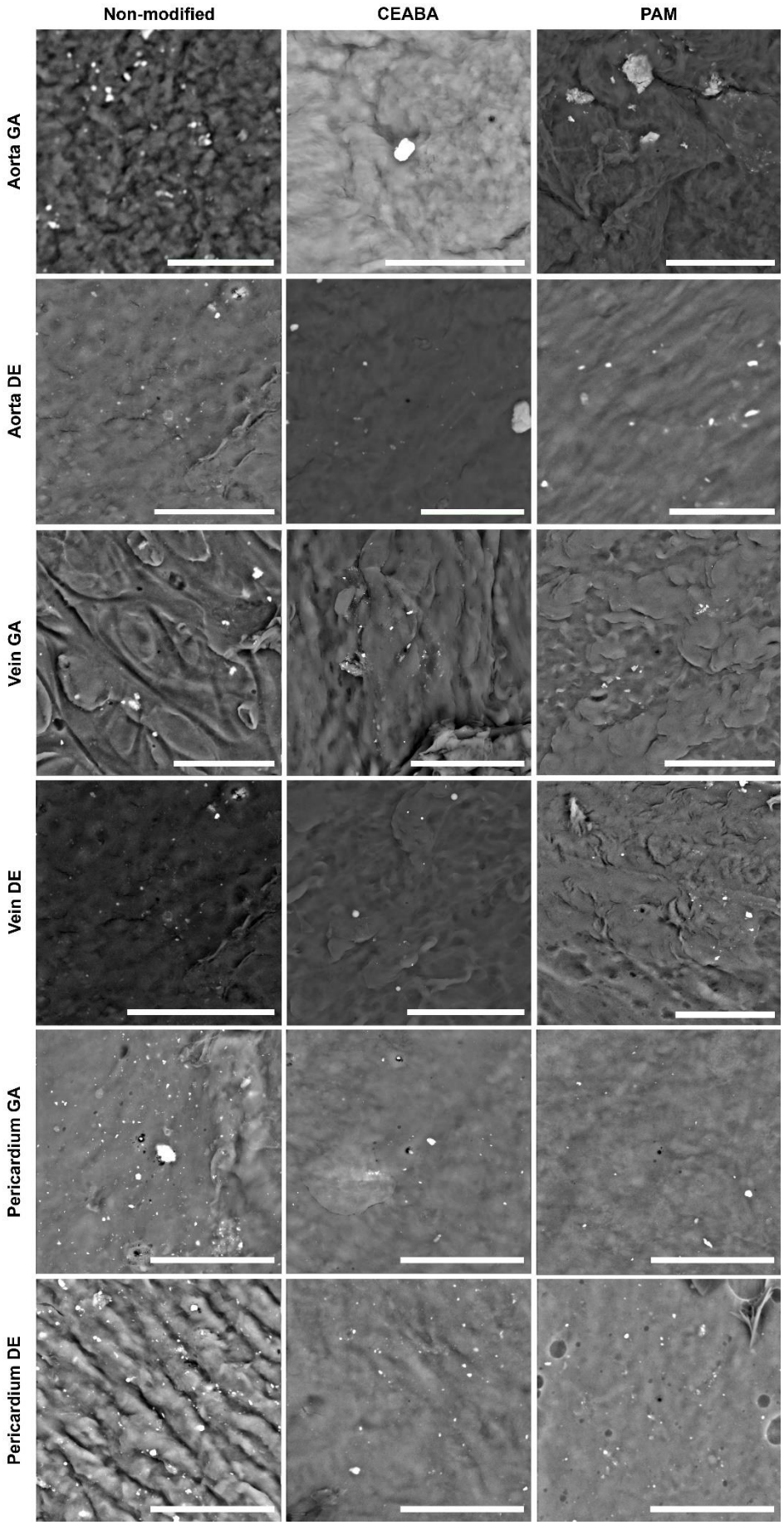

Figure S3. SEM (back-scattering electron) of the bioprosthetic material surfaces in 10 days after subcutaneous implantation in rats. Scale bars 50 μm.

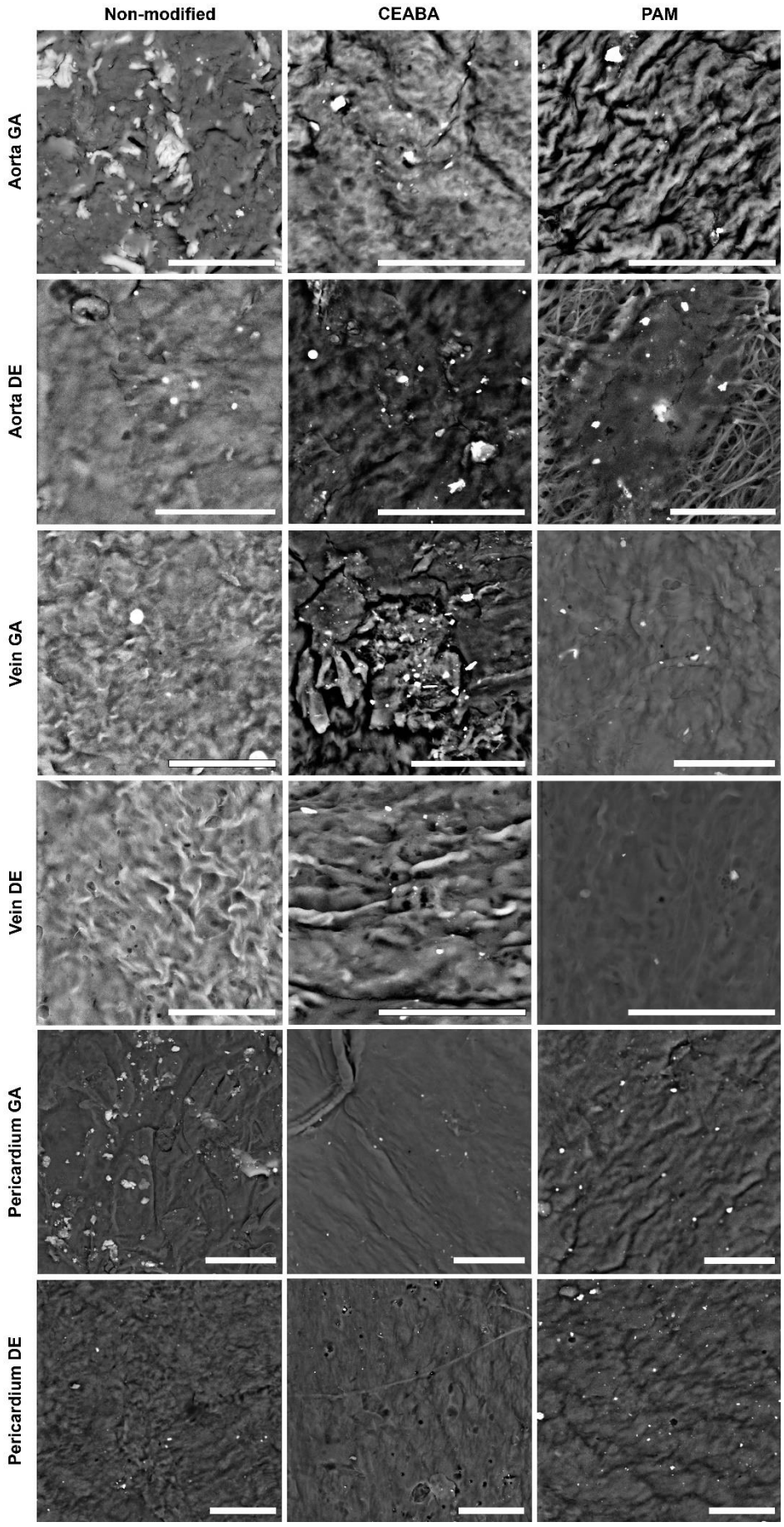

Figure S4. SEM (back-scattering electron) of the bioprosthetic material surfaces in 20 days after subcutaneous implantation in rats. Scale bars 50 μm.

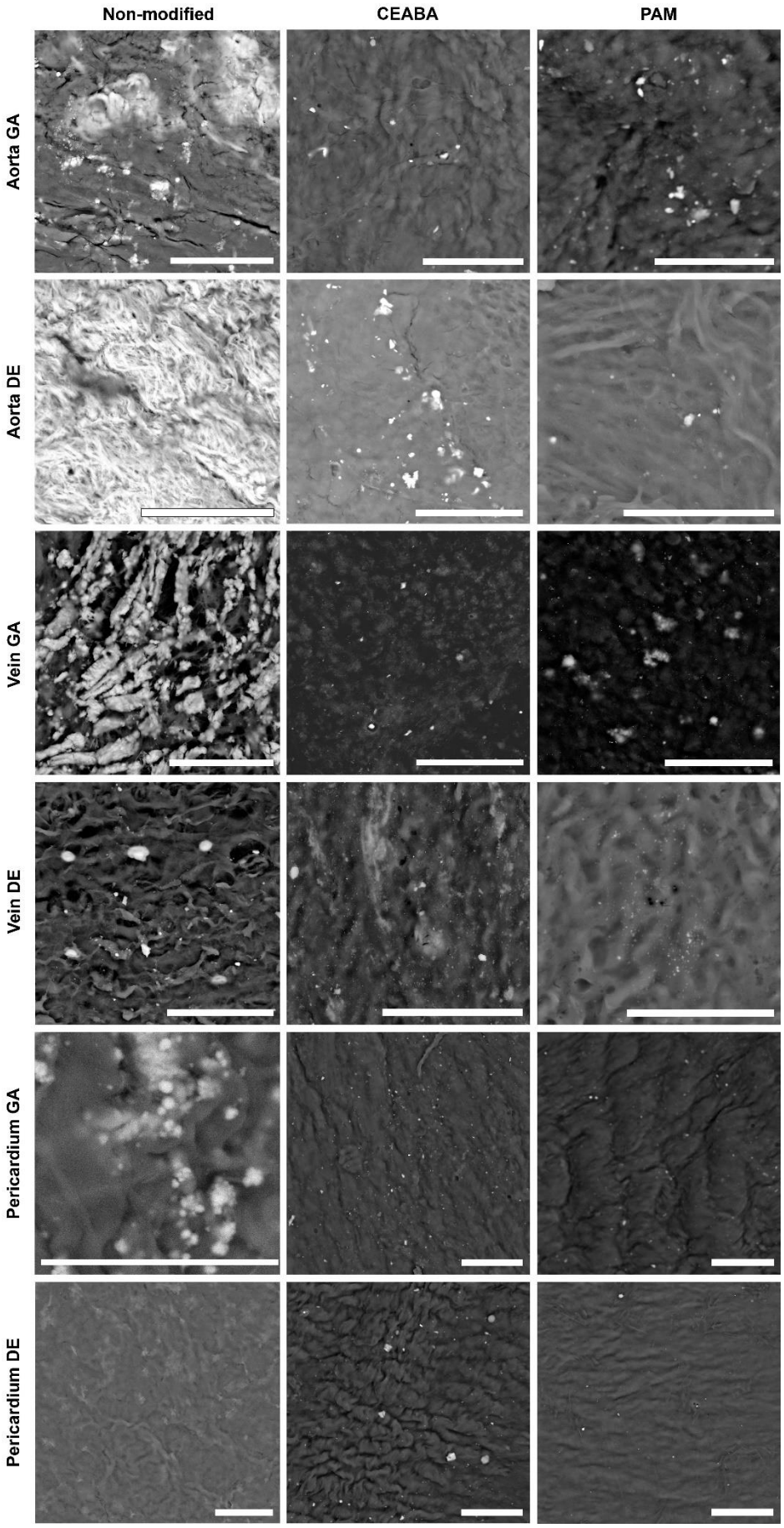

Figure S5. SEM (back-scattering electron) of the bioprosthetic material surfaces in 30 days after subcutaneous implantation in rats. Scale bars 50 μm.