



Supplemental Figure S1. Gas cavity volume formed during the immersion of pure Mg sample into the model tissue.

Gas cavity volume was calculated based on the 3D images obtained by μ CT and divided by the initial sample surface area. Model tissue was prepared by adding the thickener (gellan gum) to the simulated body fluid (E-MEM+10%NBS) at different concentrations (0.2, 0.3, and 0.5%).