Quantification of released anti-TNF-α antibody was obtained through evaluation of TNF-α inhibition using a validated ELISA protocol. The volume of soaking solution (500 μL and 1000 μL) used to submerge the DDS did not have a significant impact on the measured release of anti-TNF-α antibody. As such, 500 μL soaking solution was used for all subsequent assays. The solution was changed 2, 8 and 24 hours after the start of the experiments and then at days 4, 7 and 10.