



Figure S1. Analysis of osteoblast proliferation, LDH-cytotoxicity and ALP-activity in dependency of HPS-concentration. Osteoblasts seeded 5,000 per 24 well in HPS (diluted in culture media) in comparison to controls (culture media-only). **(A)** Cell counts of human osteoblasts on day 2 and day 4. **(B)** Lactate dehydrogenase (LDH) assay: optical density (OD) normalized per cell on day 2 and day 4. **(C)** Alkaline phosphatase (ALP) activity after 4 days of cultivation. (A)+(B): Two-way repeated-measures ANOVA with Tukey's multiple comparisons test. (C): One-way ANOVA with Tukey's multiple comparisons test. Data points are means \pm SEM, $n=3$. $**p < 0.01$, $***p < 0.001$, $****p < 0.0001$.