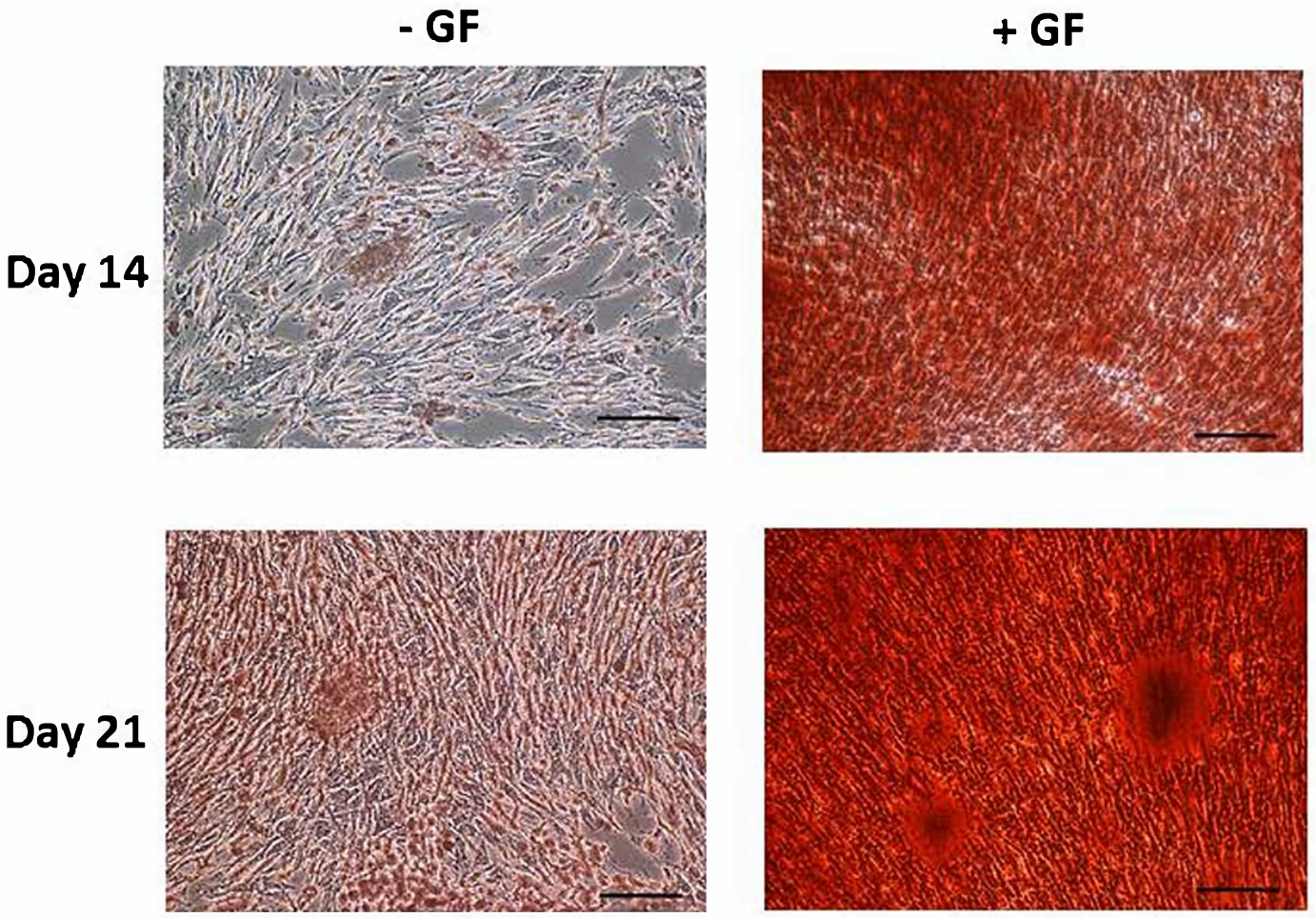
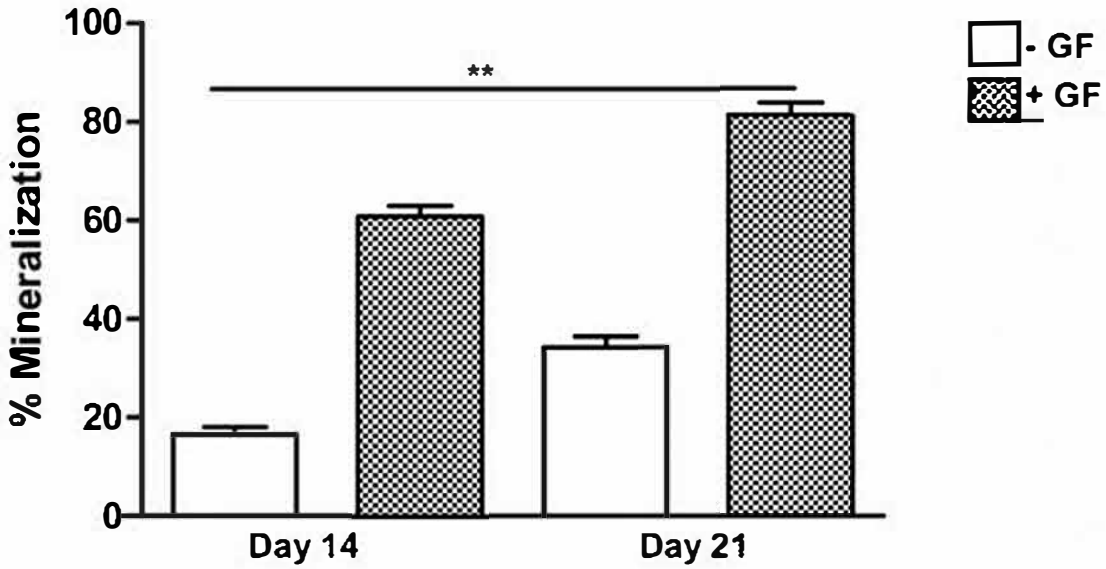


(a)



(b)

Supplementary figure S4. Osteogenic differentiation of MSCs (a) Micrographs of MSCs cultured with (+GF) and without growth factors (-GF) and stained with Alizarin Red S solution at 14 and 21 days. Scale bar: 100 μm; Red staining: mineralization areas. (b) Graphical representation of % mineralization. Data are reported as mean ± standard deviation. Kruskall-Wallis and post hoc Dunn's test were used for statistical analysis. $^{**}P<0.01$ MSCs at day 14 cultured without growth factors (-GF) versus MSCs at day 21 cultured with growth factors (+GF).