Laponite nano-silicates potentiate the angiogenic effects of FG-4592 and osteogenic effects of BMP-2

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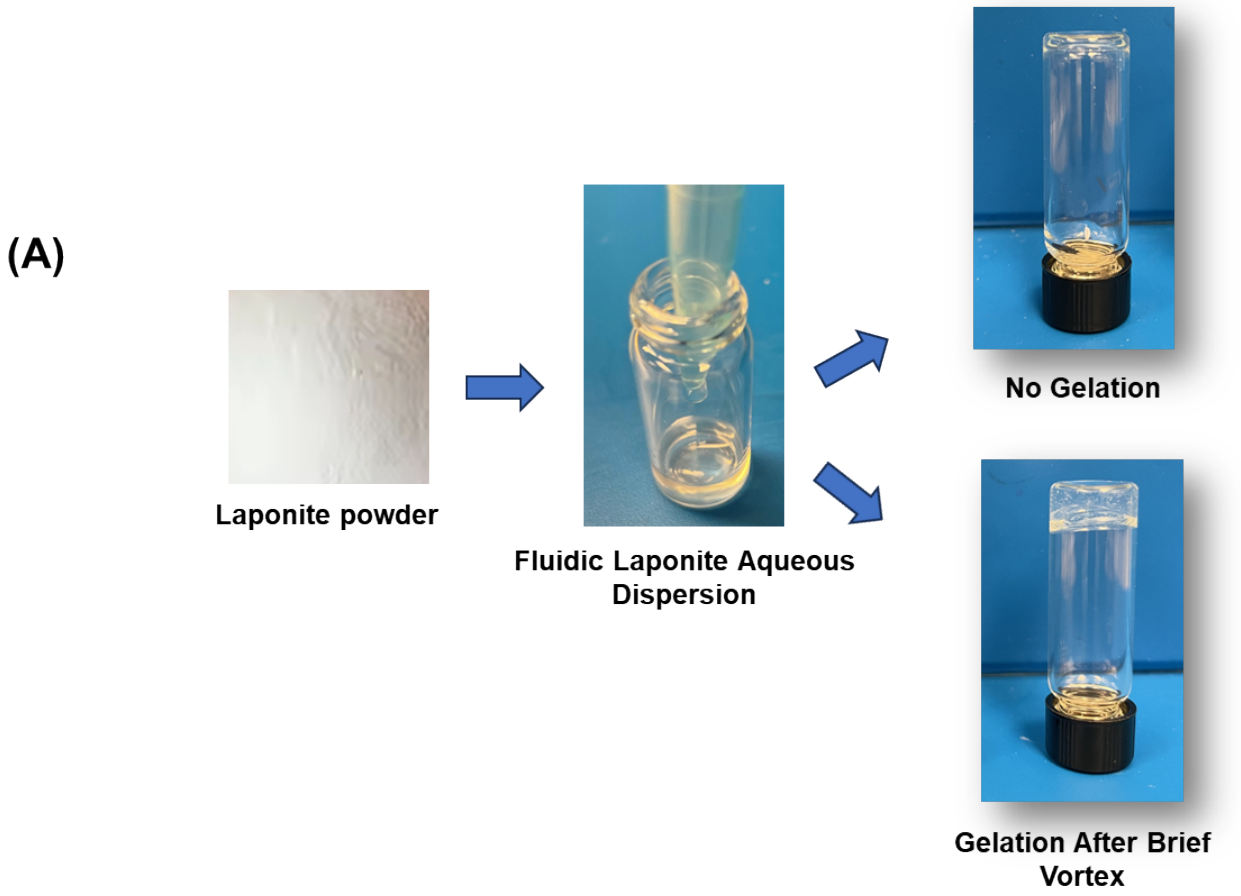

Figure S1: (A) Fabrication of Laponite gel. (B) Representative EDX mapping of Laponite showing Silicon (Si) and Magnesium (Mg).

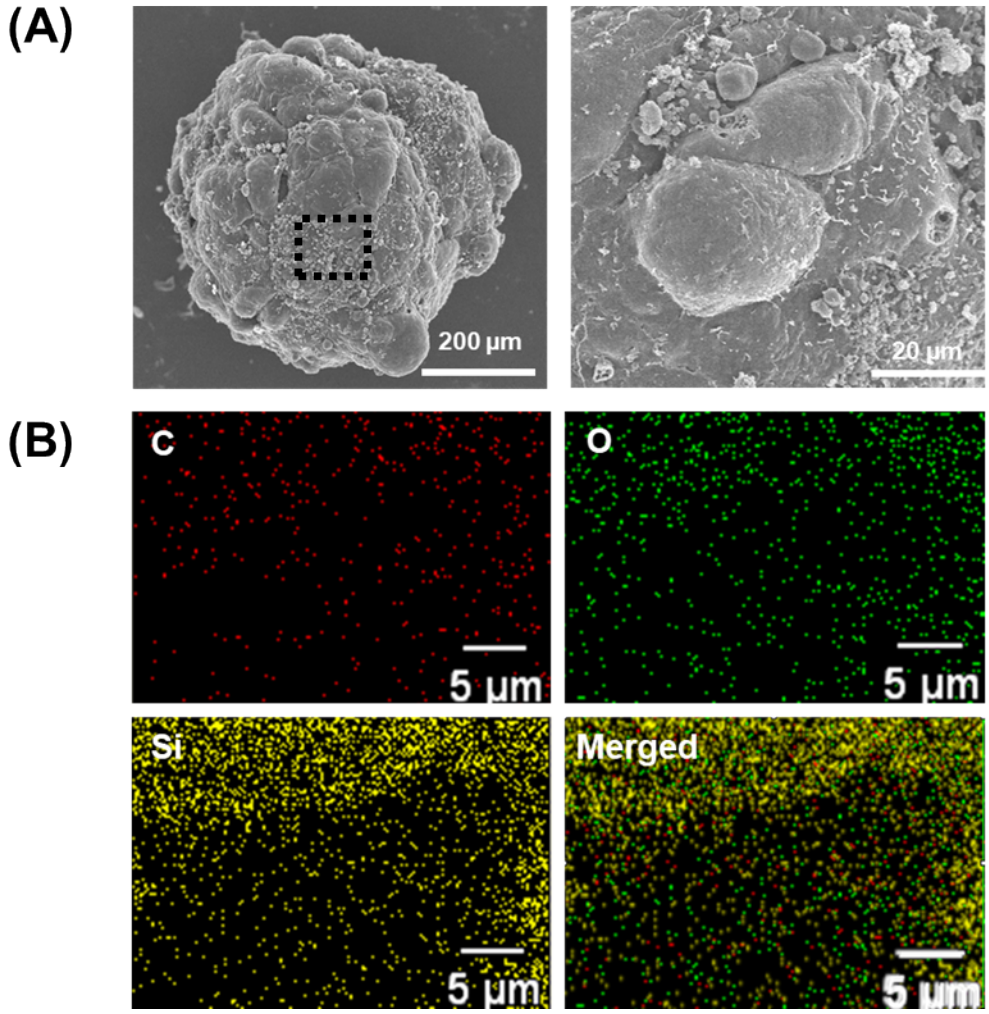

Figure S2: (A) Representative SEM images of HUVECs 3D spheroid. (B) Representative EDX mapping of Silicon (Si) from dotted rectangle region to demonstrate the incorporation of Laponite to the 3D spheroids for LAP containing groups.

Gene	Forward sequence	Reverse sequence
VEGF	GGAGGGCAGAATCATCACGA	GCTCATCTCTCCTATGTGCTGG
HIF-1α	TGATTGCATCTCCATCTCCTACC	GACTCAAAGCGACAGATAACACG
GAPDH	AGAAAAACCTGCCAAATATGATGAC	TGGGTGTCGCTGTTGAAGTC
ALP	ACTGGTACTCAGACAACGAGAT	ACGTCAATGTCCCTGATGTTATG
SPARC	GCGAGTTTGAGAAGGTGTGC	TTTGCAAGGCCCGATGTAGT
BGLAP	GGCGCTACCTGTATCAATGG	GTGGTCAGCCAACTCGTCA
YWHAZ	TGCTTCACAAGCAGAGAGCA	TGTGACTGATCGACAATCCCTTT

Table S1: Primer sequences used for RT-PCR analysis of mRNA expression.