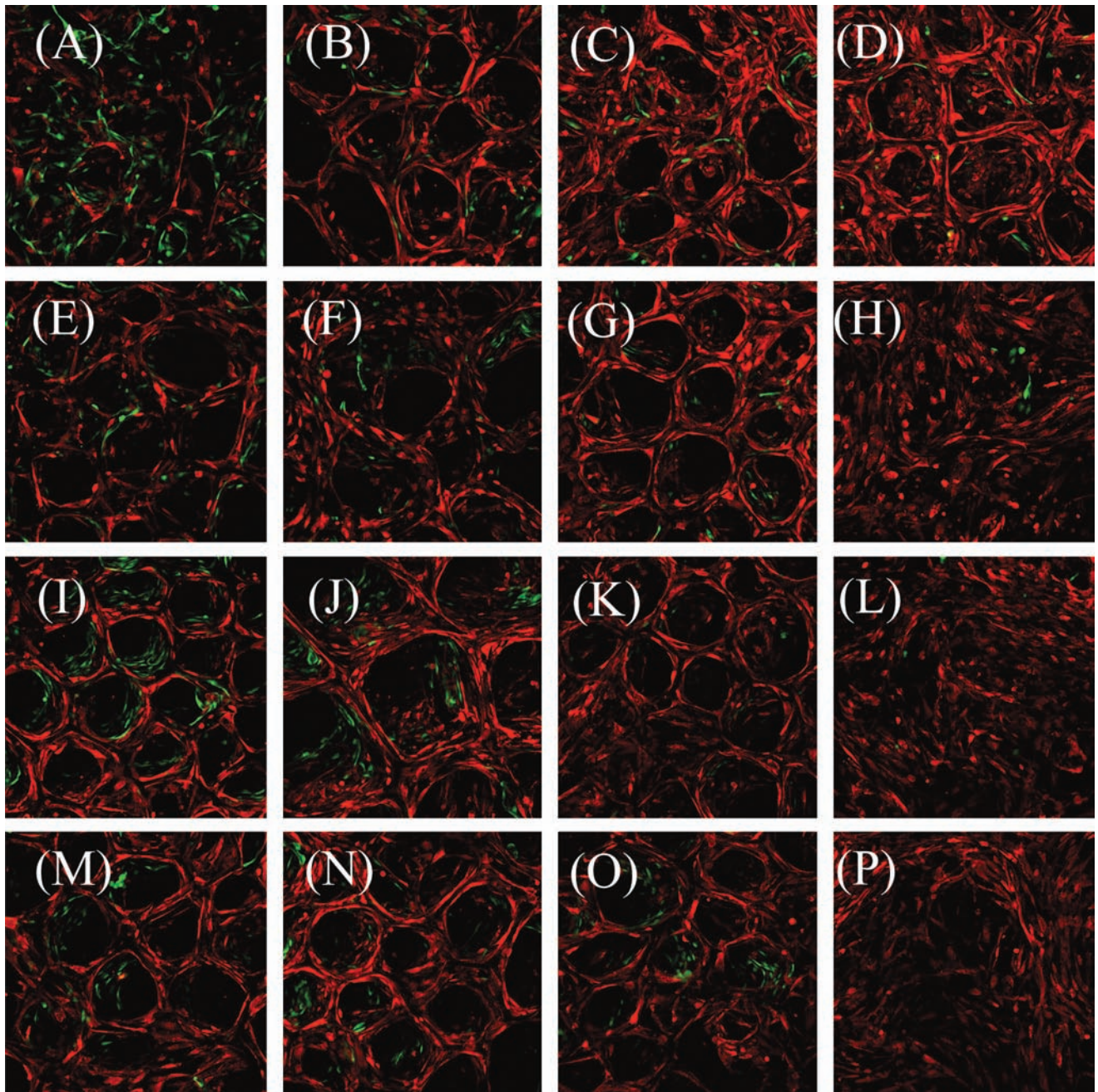


SUPPLEMENTAL FIG. S1. Confocal images for pgk-green fluorescent protein-labeled HUVECs co-cultured with mCherry-labeled HuSMCs at different seeding ratios 3 days after seeding. Z-stack images were taken at a magnification of $10\times$ and reconstructed through a projection mode using LSM510 software. Seeding ratios are (A) 0.50×10^6 HUVECs, (B) 0.25×10^6 HUVECs + 0.25×10^6 HuSMCs, (C) 0.16×10^6 HUVECs + 0.34×10^6 HuSMCs, (D) 0.10×10^6 HUVECs + 0.40×10^6 HuSMCs, (E) 0.05×10^6 HUVECs + 0.45×10^6 HuSMCs, and (F) 0.50×10^6 HuSMCs, respectively. HUVECs, human umbilical vein endothelial cells; HuSMCs, human smooth muscle cells.



SUPPLEMENTAL FIG. S2. Time course of confocal images for pgk-green fluorescent protein-labeled HUVECs co-cultured with mCherry-labeled HuSMCs at different seeding ratios. Z-stack images were taken after (A–D) 2, (E–H) 3, (I–L) 5, and (M–P) 7 days after cell seeding at a magnification of 10 \times and reconstructed through a projection mode using LSM510 software. Seeding ratios are (A, E, I, M) 0.25×10^6 HUVECs + 0.25×10^6 HuSMCs, (B, F, J, N) 0.16×10^6 HUVECs + 0.34×10^6 HuSMCs, (C, G, K, O) 0.10×10^6 HUVECs + 0.40×10^6 HuSMCs, and (D, H, L, P) 0.05×10^6 HUVECs + 0.45×10^6 HuSMCs, respectively.

SUPPLEMENTAL MOVIE S1. Initiation of continuous structures from the E4ORF1 + HUVECs co-cultured with mCherry-labeled HuSMCs seeded onto alginate scaffolds. A 3D rendering of a Z-stack captured of labeled cells at day 3 of seeding onto aligned-pore scaffold.