Supplementary materials

Basic Study

Changes of cell membrane fluidity for mesenchymal stem cell spheroids on biomaterial surfaces

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Supplemental figures: 2; Supplementary figure 1 to Supplementary figure 2
Supplementary Figure 1 The morphologies of cellular spheroids and appearance of vesicle-like bubbles on the cell membrane for MSCs cultured on chitosan, chitosan-HA, or polyvinyl alcohol substrates. Representative spheroids from cells cultured on chitosan, chitosan-HA, and polyvinyl alcohol substrates for 15 h are shown. The vesicle-like bubbles are indicated by black arrows. Scale bar, 20 μm. CS: Chitosan; CS-HA: Chitosan-HA; PVA: Polyvinyl alcohol.
Supplementary Figure 2 Determination of double-labeled cells for A549 and 3T3 cells collected from tissue culture polystyrene and chitosan-HA substrates after 3 d of incubation. \(^{a}p < 0.05\), among the indicated groups. TCPS: Tissue culture polystyrene; CS-HA: Chitosan-HA.