

Fabrication of Blood Capillary Models for Live Imaging Microarray Analysis

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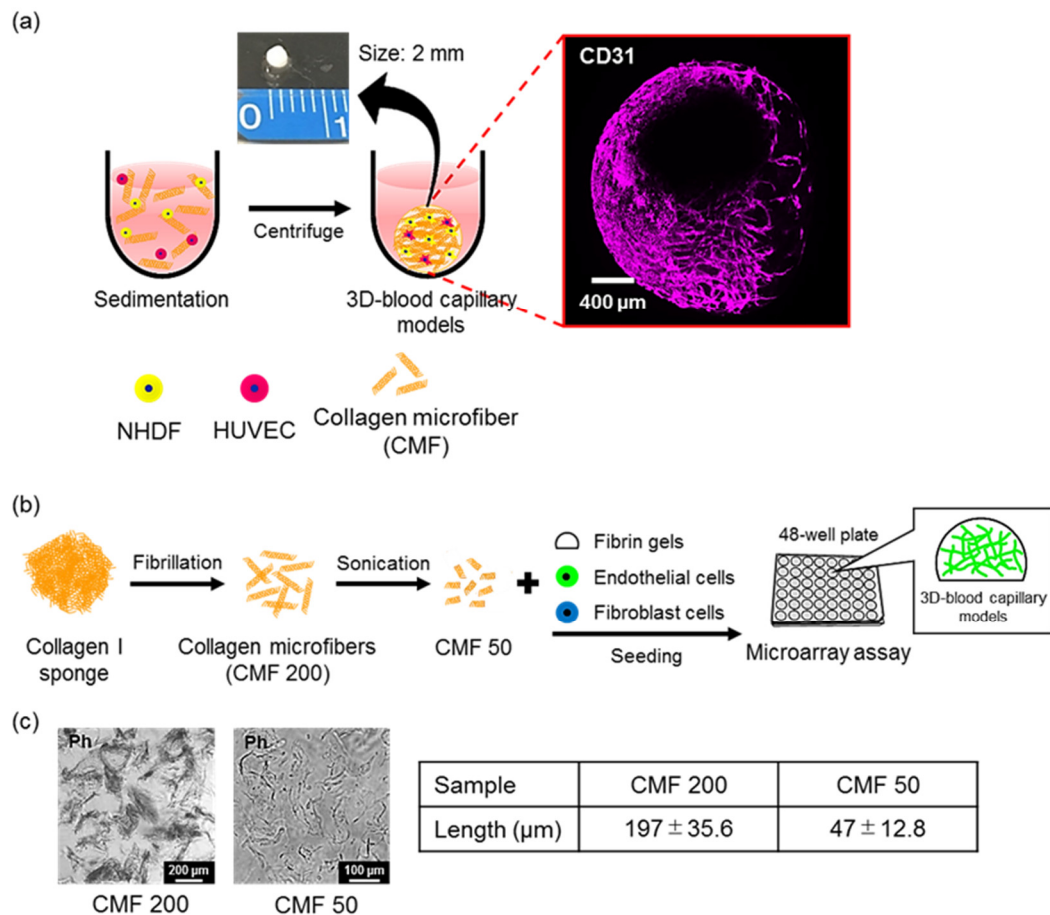


Figure S1. Schematic illustration for preparation of three-dimensional (3D)-blood capillary models using ‘sedimentary culture’ and fibrin gels approaches (a) Preparation of 3D-blood capillary models using ‘sedimentary culture’ methods. The confocal image showed the dark area in the center of tissue balls. (b) Preparation of 3D-blood capillary tissues-based fibrin gels inside a 48-well plate for microarray assay. (c) Phase contrast images of CMF 200 and CMF 50 as well as their average length shown in the table. Data are presented as mean ± s.d. of 20 fibers were counted.

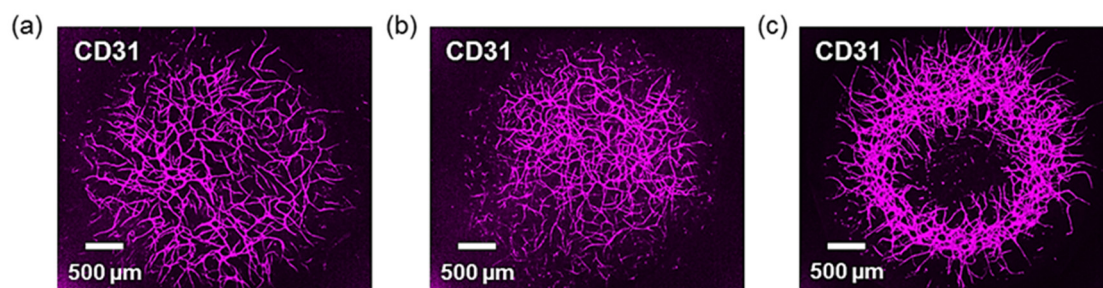


Figure S2. The sequence of the drop between solution 1 (thrombin with cells) and solution 2 (fibrinogen with CMF 50). (a) Solution 1 → Solution 2, (b) Solution 2 → Solution 1, and (c) Solution 1 → Solution 2 with mixing.