**Supplementary Data:**

Explanation of some frequently used words throughout the protocol:

**well-plate:**

A well-plate describes a plate consisting of 12 or 24 wells, in which the agarose casts are placed. 12-well plate: for 81-microwell casts; 24-well plate: for 35-microwell casts

**seeding chamber:**

The seeding chamber is a squared area within an agarose cast, containing the microwells. Cells are seeded into the seeding chamber and spheroids are formed within the microwells.

**microwells/multi-microwells:**

Microwells are wells within the seeding chamber of an agarose cast. Spheroids are formed within the microwells after seeding. Also described as 35- or 81-microwell, referring to the number of microwells within the agarose cast.

**Chamber Slide:**

A Chamber Slide is a glass slide divided into separated wells through plastic walls. The collagen matrix is put in one well of an 8-well Chamber Slide for immunofluorescence staining.