

Supplemental information

Human pluripotent stem cell derived alveolar organoid with macrophages derived from human pluripotent stem cell

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Video S1. Production of 3D lung organoid from CD47^{hi}CD26^{lo} lung progenitor cells.

(A) The time lapsed image of growing of 3D lung organoid from CD47^{hi}CD26^{lo} lung progenitor cells. The time covers a period of about 48 hours, with a 2 hours time interval between images. Recordings and data processing were made with a IncuCyte system using a 4X objective lens. Scale bar = 800 μm .

Video S2. Macrophage induction into lung organoid. (A) The live image of injection of macrophage into lung organoid. The time covers a period of about 10 seconds, with a whole live images. Recordings and data processing were made with a Ocam system using a 10X objective lens. Scale bar = 200 μm .

Supplemental Figure S1. Macrophage induction into the lung organoid in time dependent manner. (A) Representative phase contrasts and fluorescent dye images of macrophage-included lung organoid from hESCs at induction day 1 to 14. Scale bar = 100 μm . (B) Representative phase contrasts and fluorescent dye images of macrophage-included lung organoid from hiPSCs at injection day 1 to 14. Scale bar = 100 μm .