

Supplementary material

Sarcomeric network analysis of *ex vivo* cultivated human atrial appendage tissue using super-resolution microscopy

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Video legends:

Video 1: Suppvideo1_LAAslice_basal_d0.mp4

A representative bright-field microscopic recording demonstrates several regions of contracting cardiomyocytes (marked by black arrows) within a freshly prepared cardiac slice derived from left atrial appendage (LAA) immediately after cultivation start (D0) without electrical stimulation. Scale = 100 μm .

Video 2: Suppvideo2_LAAslice_basal_d3.mp4

A representative bright-field microscopic recording displays a region of contracting cardiomyocytes (marked by black arrows) within cultured LAA slice at D3 (72 h after cultivation start) without electrical stimulation. Scale = 100 μm .

Video 3: Suppvideo3_LAAslice_MTT_d5.mp4

A representative bright-field microscopic recording shows beating cultured LAA slice during metabolization of an MTT salt (MTT assay) at D5. Scale = 100 μm .

Note from authors: VLC video player is recommended to open the supplemented video files. Accessing the recording using other media player software might alter the video rendering resulting in an inaccurate playback.