

Legend to Supplementary Movie

HBFs AS migrate in collagen matrix of 1.5 mg/ml. 5×10^3 cells per well were seeded as described in the "Culture of HBFs in 3D conditions" section. Time-lapse imaging was performed after 24 hrs of culture with Leica DMI6000B motorized microscope equipped with Leica DFC360FX CCD camera and environmental chamber, using 20× objective and phase contrast. Images were captured every 5 mins for 3 hrs in Z-stack mode, where subsequent slices were taken every 1.5 μm to obtain overall stack height of 150 μm . Five representative focal planes with at least a few cells are presented on the movie. Initial focal plane is approximately 40 μm above glass bottom. Subsequent distances in the Z-axis from the initial one toward the top are labelled. Scale bar is 100 μm .