



Figure S1. Optical microscope setup parameters. (A). Nikon SMZ18 Stereoscope setup in oblique coherent contrast (OCC) mode; (B). detailed setup of stereoscope under OCC illumination: the arrow shows the exact scales on the slide lever for perfect bright field imaging; (C). Zeiss Axiovert 40CFL microscope setup using phase contrast (Ph) mode; (D). detailed position of the aperture under Ph0.4 mode. The supplementary video is an example of a 3D view of the artificial ovary stained with RedDot.