



Supplementary Movie 3. EBs expressing α MHC::GFP on MPFC. **Left:** Bright-field images of α MHC::GFP embryoid bodies captured on the MPFC. **Right:** GFP detected on the MPFC, excited by the Ti:Sapphire laser tuned to 890 nm excitation, using a 520/35 band-pass emission filter to exclude autofluorescence. Total volumetric flow rate for acquisition was 600 μ L/min ($\alpha = 2$), while images were taken with a 10 \times lens (1.2 mm WD, 0.75 NA) with a zoom of 1.5 and a scan speed of 2.33 frames/second. The movie was made to play back at 5 frames/second. The color bar represents quantified intensity levels from 0 (black) to 255 (green). Scale bar = 200 μ m.