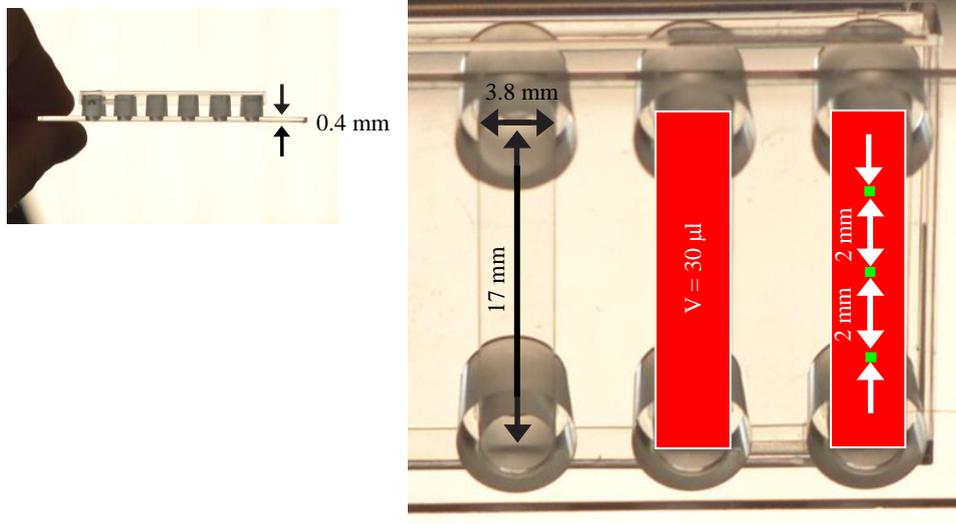
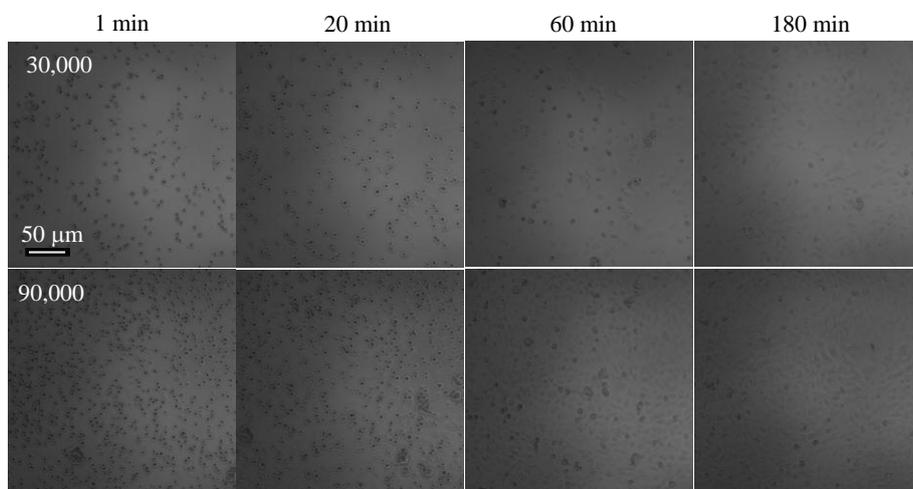


SUPPLEMENTARY INFORMATION

A



B



5

Fig S1: **A:** Side (left) and bottom (right) view of the μ -slide, with channel dimensions, working volume and points of measurement (3 per channel) shown. **B:** Transmission images of MEF cells in μ -slide at two seeding densities during the attachment phase (0-3 h).

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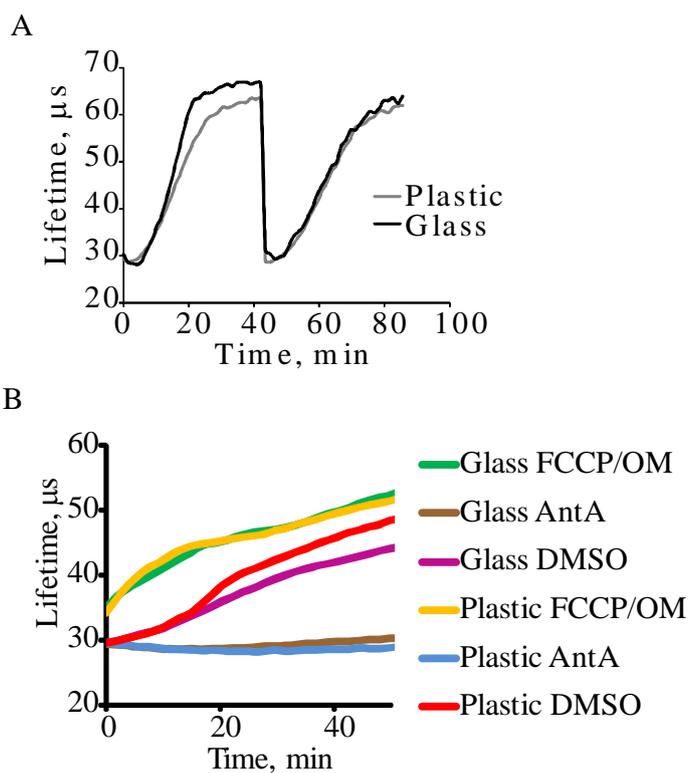


Fig. S2. Effects of additional O_2 barrier (glass coated bottom) on respiration profiles of MEF cells. **A.** Resting cells measured in standard μ -slide (Plastic) and with additional glass cover slip attached to the 5 bottom (Glass). **B.** Resting and stimulated ($10 \mu\text{M}$ AntA, $1 \mu\text{M}$ FCCP/ $10 \mu\text{M}$ OM) MEF cells measured in standard plastic and glass-bottom 96WP.