

Table 2. Subcellular pH and electrical potential difference in perfused livers from CD and HFD rats

	CD rats	HFD rats
ΔpH (cytosol-perfusate)	-0.02 ± 0.05	$0.29 \pm 0.03^*$
ΔpH (mitochondria-cytosol)	0.89 ± 0.03	$0.17 \pm 0.01^*$
pH perfusate [†]	7.4	7.4
pH cytosol [†]	7.37 ± 0.05	$7.70 \pm 0.03^*$
pH mitochondria [†]	8.25 ± 0.06	$7.86 \pm 0.02^*$
$\Delta\psi_m$ (mV)	118 ± 10	$143 \pm 3^*$
Δp (mV)	172 ± 12	154 ± 3
$\Delta\psi_{pm}$ (mV)	76 ± 8	59 ± 3

Mean values with their standard errors for 4 rats. [†]Calculated from the individual data; * $p < 0.05$ compared to CD rats (Two-tailed Student's *t*-test); $\Delta\psi_m$ – Mitochondrial membrane potential; Δp -proton motive force; $\Delta\psi_{pm}$ – Plasma membrane potential.