

Table S4: Error of test data for all 8 employed neural networks, determined after ANN training was completed. For a performance comparision with reference methods M1 and M2 see Fig. 5a and 5b.

	Average error [$\Omega \cdot \text{cm}^2$]	Minimum error [$\Omega \cdot \text{cm}^2$]	Maximum error [$\Omega \cdot \text{cm}^2$]
HT-29/B6			
ANN ^{HT} _{sub}	± 0.53	-3.40	+2.75
ANN ^{HT+EGTA} _{sub}	± 0.55	-3.04	+2.57
ANN ^{HT} _{epi}	± 3.11	-14.17	+34.84
ANN ^{HT+EGTA} _{epi}	± 1.17	-5.54	+11.36
IPEC-J2			
ANN ^{IPEC} _{sub}	± 0.79	-4.38	+4.81
ANN ^{IPEC+EGTA} _{sub}	± 0.73	-5.78	3.55
ANN ^{IPEC} _{epi}	± 24.52	-98.88	+192.93
ANN ^{IPEC+EGTA} _{epi}	± 2.42	-10.04	+19.96