

SUPPORTING INFORMATION

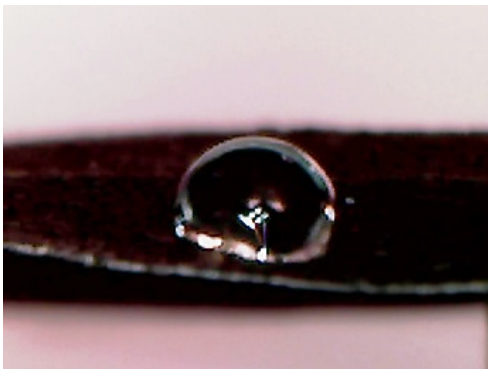


Figure 1 SI. A drop of water over the hydrophobic paper.

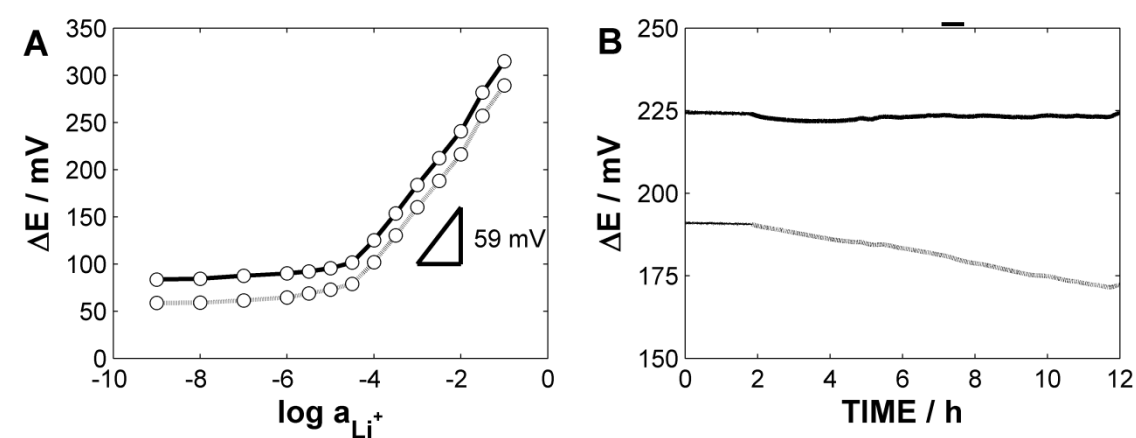


Figure 2 SI. Comparison of a normal Li⁺-paper ISE (---) and a hydrophobic Li⁺-paper ISE (—). A) Calibration curve and B) Stability at 10⁻²M LiCl.

Table 1 SI. Normal values of ions in blood.

Analyte	Concentration / mM
Na ⁺	135-145
K ⁺	3.5-5
Ca ²⁺	2.2-2.6
Mg ²⁺	0.62-0.99
Cl ⁻	98-106
HCO ₃ ⁻	23-28
HPO ₄ ²⁻	0.87-1.45
Urea	2.1-7.1
Glucose	3.5-5.3