Indirect determination of zeta potential at high ionic strength: Specific application to semipermeable polymeric membranes

Supplementary Materials

Bryan D. Coday[1], Thomas Luxbacher[2], Amy E. Childress[3], Nohemi Almaraz[1], Pei Xu[4], Tzahi Y. Cath[1]*

[1] Colorado School of Mines, Golden, CO, USA
[2] Anton-Paar GmbH, Graz, Austria
[3] University of Southern California, Los Angeles, CA, USA
[4] New Mexico State University, Las Cruces, NM, USA

* Corresponding author: 1500 Illinois St., Golden, CO 80401;
Tel.: +1-303-273-3402; fax: +1-303-273-3413
E-mail address: tcath@mines.edu

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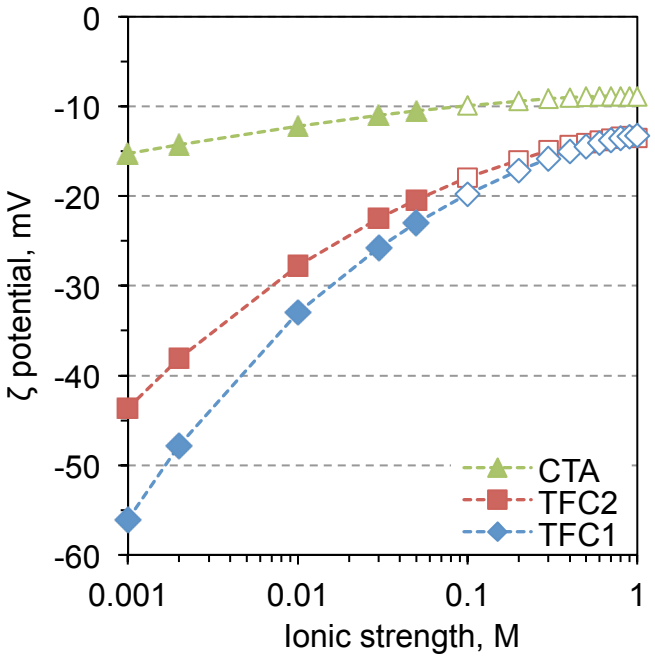

Fig. A. Values of zeta potential calculated from measured and extrapolated streaming potential for the TFC1, TFC2, and CTA membranes as a function of electrolyte ionic strength (log scale). All experiments were conducted in the presence of increasing concentrations of KCl electrolyte in deionized water (average pH of 5.6). Values above 0.05 M are extrapolated from measured streaming potential.

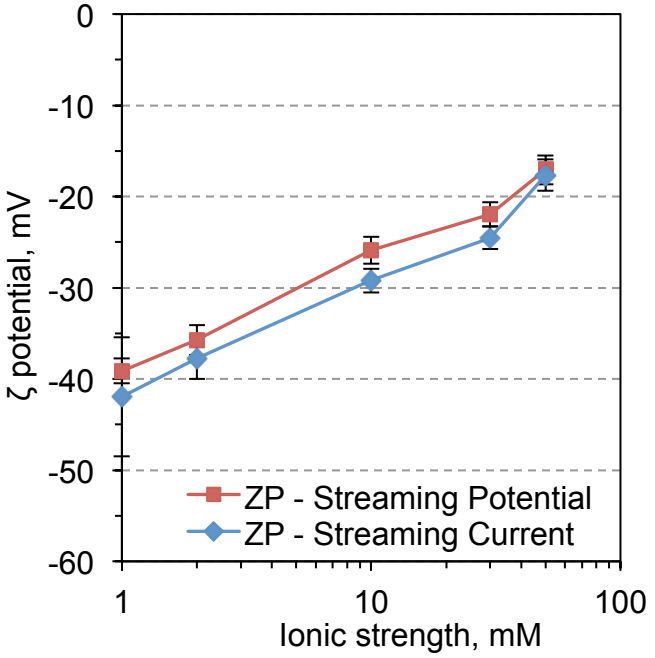

Fig. B. Values of zeta potential calculated from measured streaming potential and measured streaming current for the TFC2 membrane as a function of electrolyte ionic strength (log scale). All experiments were conducted in the presence of increasing concentrations of KCl electrolyte in deionized water (average pH of 5.6).

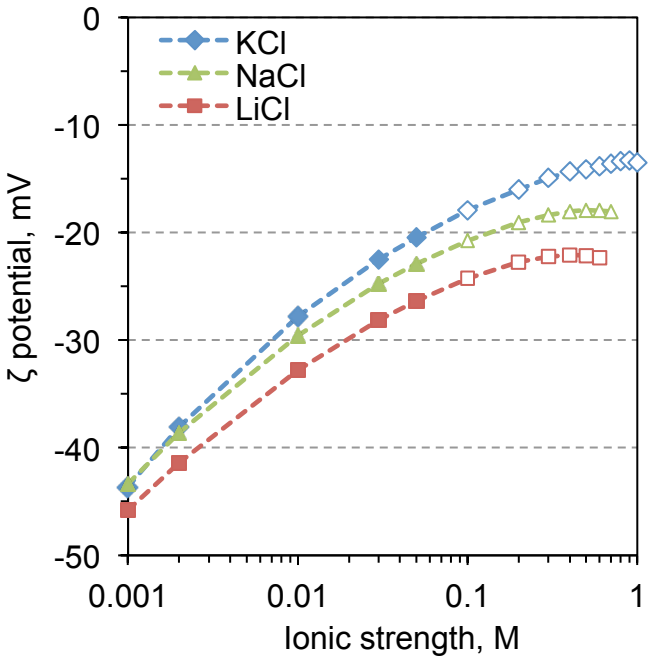

Fig. C. Values of zeta potential calculated from measured and extrapolated streaming potential for the TFC2 membrane as a function of electrolyte ionic strength (log scale). Measurements were conducted in the presence of increasing concentrations of KCl, NaCl, and LiCl solutions in deionized water (average pH 5.6). Values above 0.05 M are calculated from extrapolated streaming potential measurements.