

Supporting Information for

Squaramide-based Tripodal Ionophores for Potentiometric Sulfate-selective Sensors with High
Selectivity

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1. Characterization of ionic sites

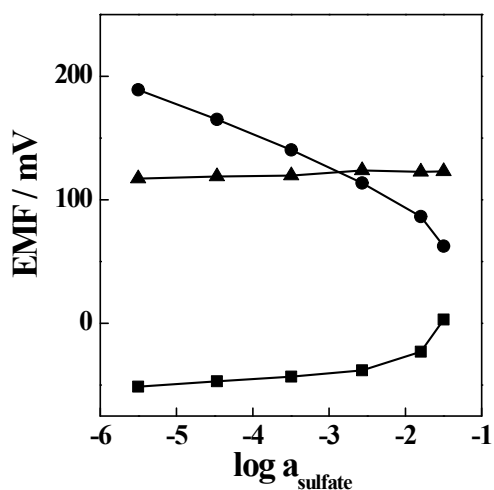


Figure S1: Sulfate responses of Ionophore III-based membranes in the presence and absence of ionic sites (●, TDMACl; ▲, no ionic sites; ■, NaTFPB)

2. Experiential data for the detection of sulfate in cellular lysate and drinking water.

Table S1. Determination of Sulfate in Drinking Water and Cell Extracts by Ionophore III-based

Electrodes ($n=3$)

Samples	Average found	Mean EMF value / mV
Cell lysates	$337.9 \pm 0.5 \mu\text{M}$	216.02 ± 0.1
	$3.51 \pm 0.2 \text{ mM}$	192.49 ± 0.6
Drinking water	$66.6 \pm 0.4 \text{ mg}$	129.75 ± 0.7
	$266.3 \pm 0.9 \text{ mg}$	114.75 ± 0.4
