Electronic Supplementary Material (ESI) for Analytical Methods


Electronic Supplementary Information

# Freeze Sample Enrichment Highly Adaptable to Capillary Electrophoresis

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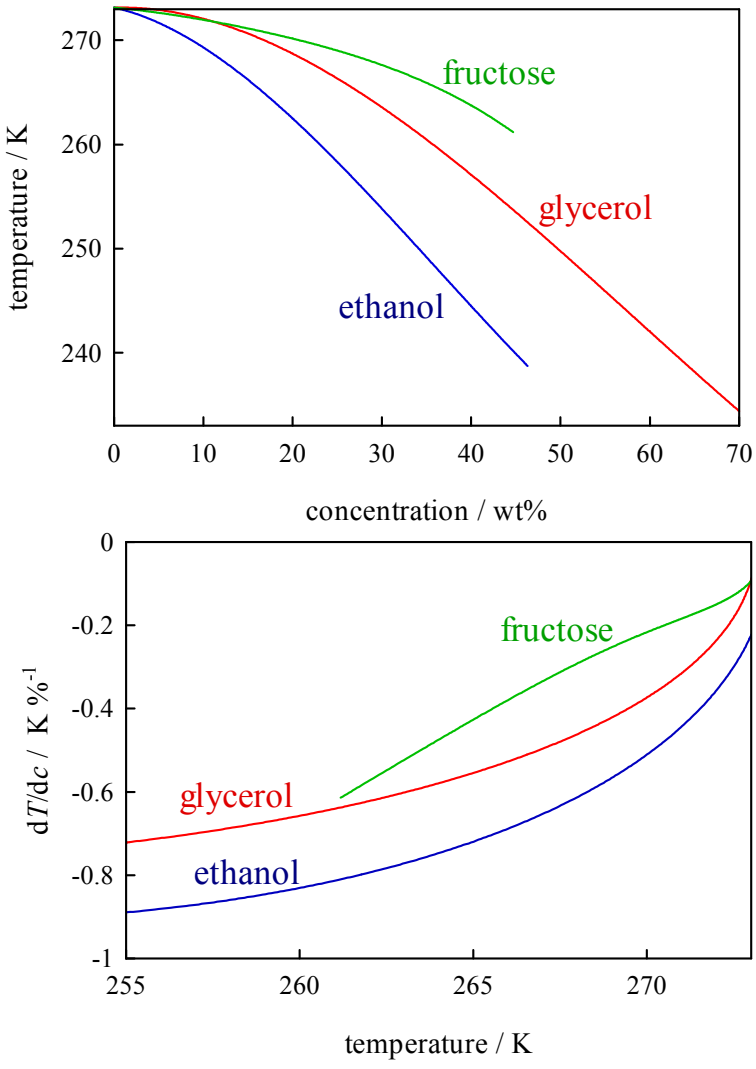


Figure S1 Freezing point depression curves for aqueous fructose, glycerol, and ethanol solutions (upper) and the temperature dependence of the slopes of the freezing point depression curves (lower).

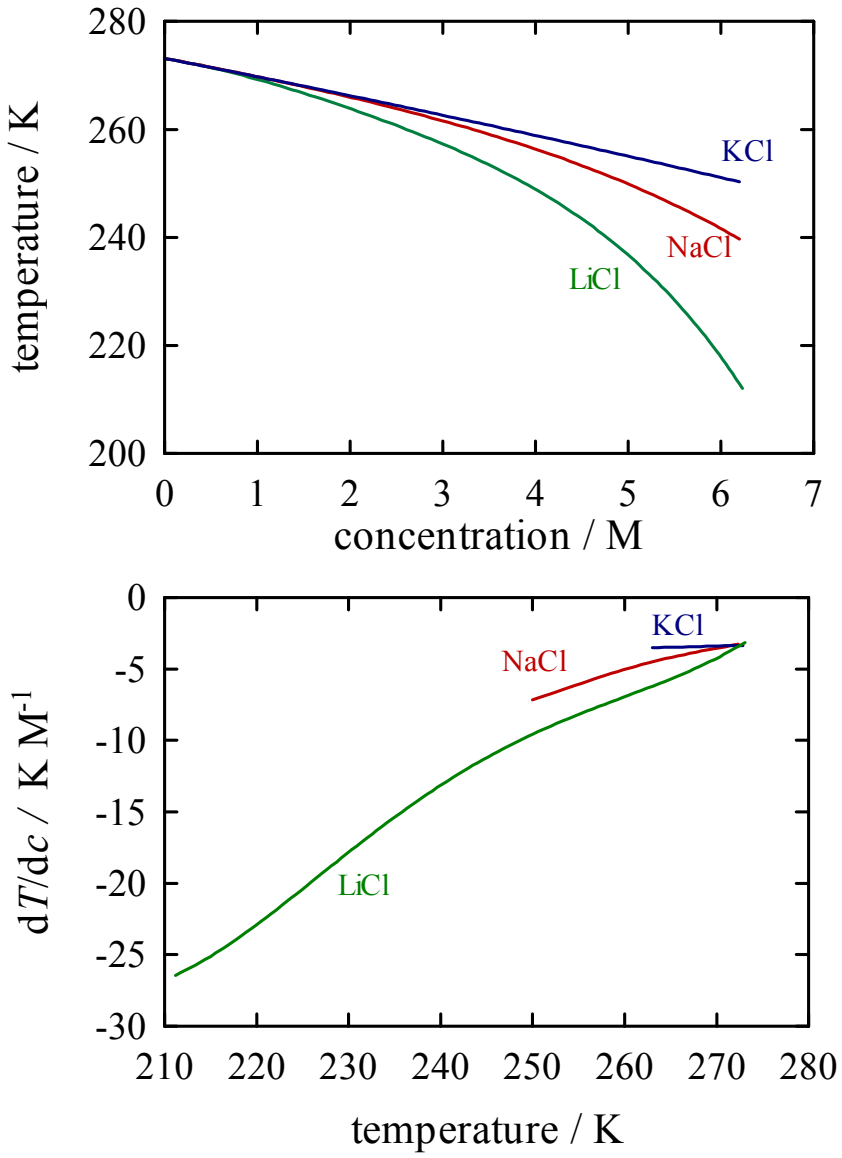


Figure S2 Freezing point depression curves for aqueous LiCl, NaCl, and KCl solutions (upper) and the temperature dependence of the slopes of the freezing point depression curves (lower).

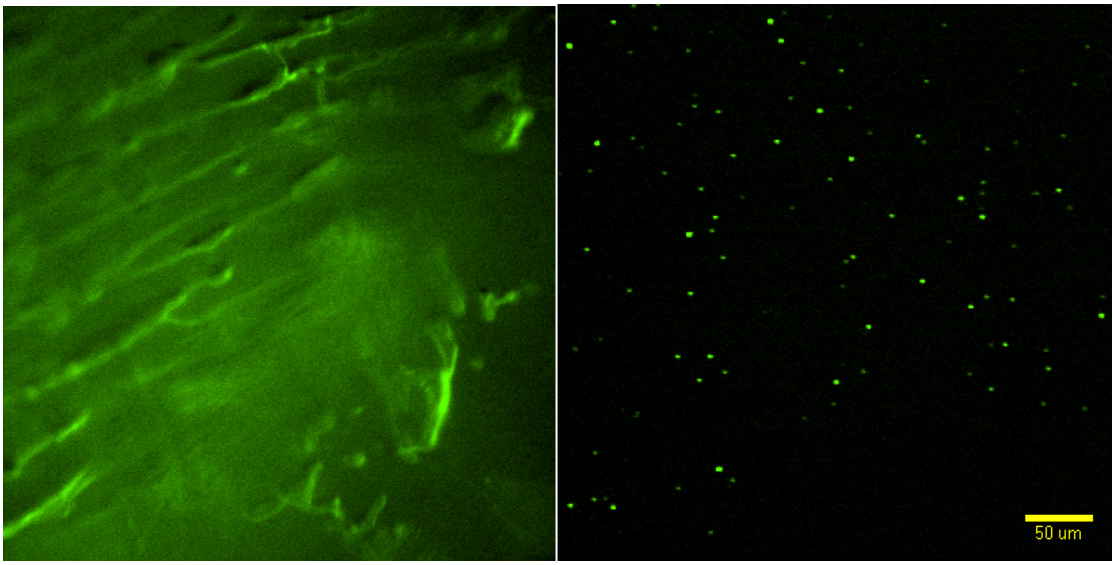


Figure S3 Fluorescence micrograph of (left) frozen 5 mM aqueous glycerol (253.2 K) and (right) 10 mM LiCl (263.2 K). Both solutions contained Fluorescein, which emits fluorescence when dissolved in the liquid phase.

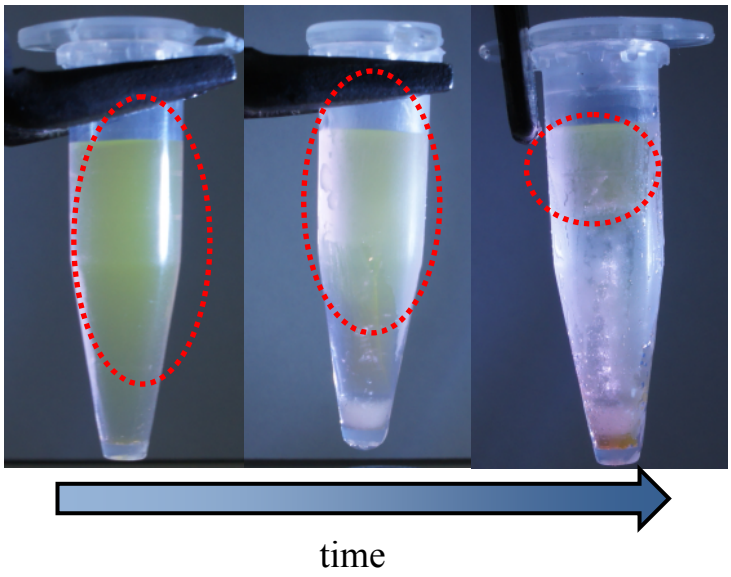


Figure S4 Photos during freezing concentration. Fluorescein (FL) was dissolved in the sample.

Left, unfrozen FL solution. Middle, freezing initiated on the bottom. Right, just before entire freezing.