Supporting Information for "Electrolyte Tuning of Surfactant Interfacial Behavior for Enhanced Density-Based Separation of Single-Walled Carbon Nanotubes"

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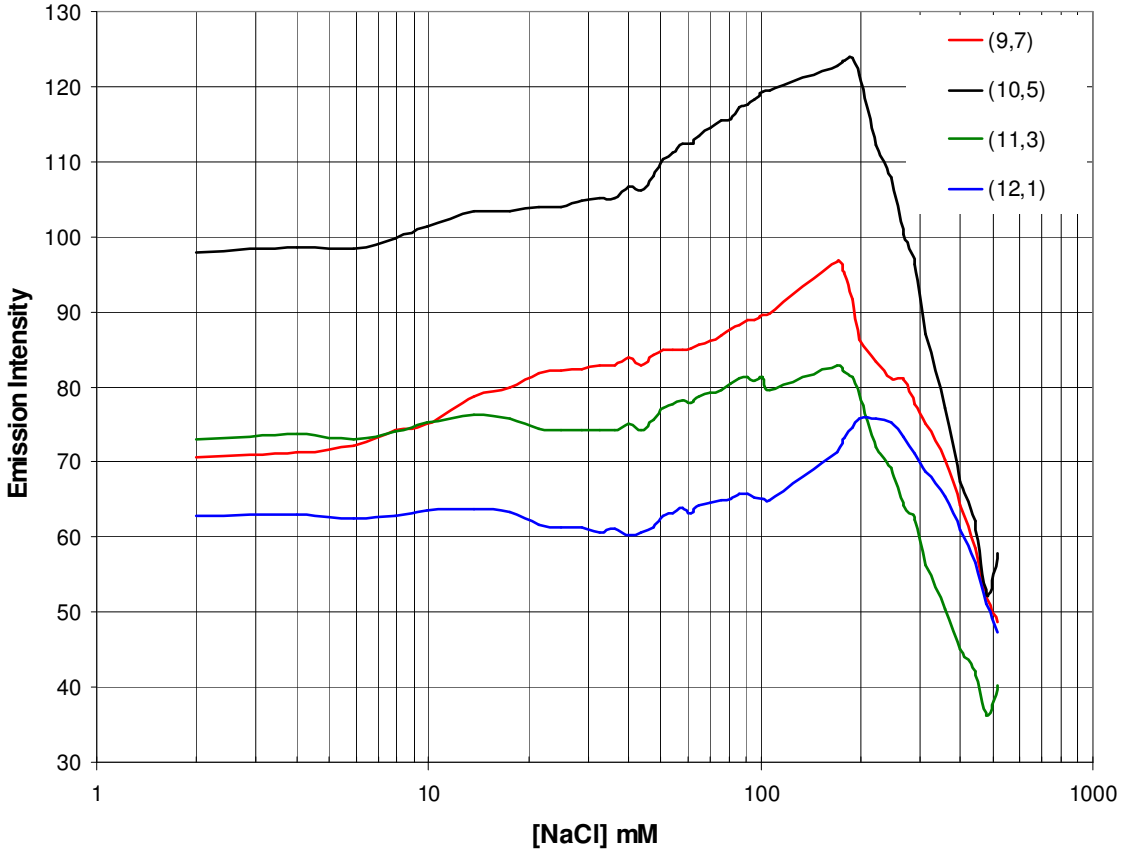

Figure S1. The peak photoluminescence intensity at 780 nm excitation of multiple chiralities plotted against the concentration of NaCl added to 500 µL of a 1.25% SDS-SWNT dispersion.

The NaCl concentration at which onset of nanotube bundling occurs (~180 mM) is found to be sensitive to initial SDS concentration. The higher SDS concentration (1.25%) used here delays onset of bundling to higher salt concentrations, compared to the 1% SDS behavior of Figure 1(a) of the main text.

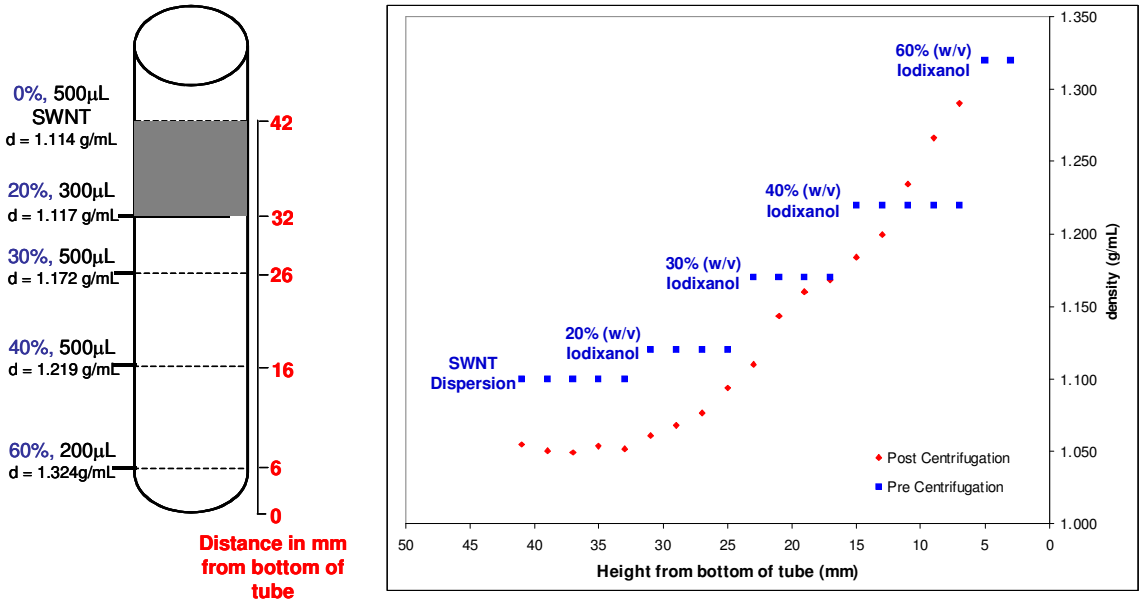

Figure S2. Density (g/mL) *vs* height above bottom of centrifuge tube (in mm) before (blue squares) and after (red diamonds) centrifugation.

The result demonstrates how the initial 60/40/30/20 percent iodixanol step-gradient linearizes over the course of the ultracentrifugation time.