When to Use Rectangular Waveforms in Dielectrophoresis Application to Increase Separation and Sorting Efficiency

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Supporting Information

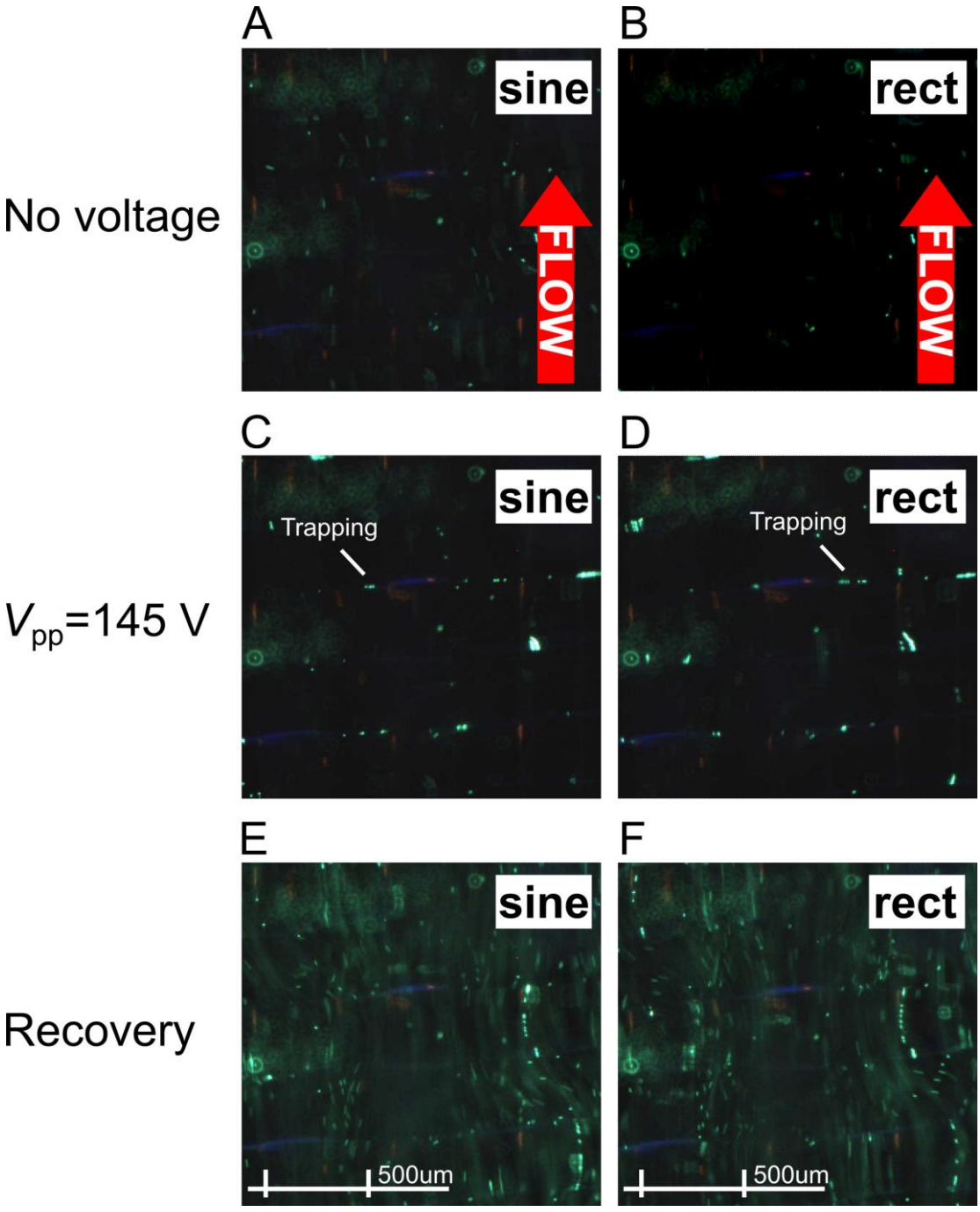

Figure S1: Comparison of a sinusoidal **(A,C,E)** and rectangular **(B,D,F)** signal applied to a mesh-based DEP filter. **(A,B)** show the particle flow at 120 mL h^{-1} without applied voltage. In **(C,D)** a voltage of V = 145 V_{pp} and a frequency of f = 15 kHz are used to trap particles in the mesh. In **(E,F)** the particles are released by switching off the electric field.