A low sample volume particle separation device with electrokinetic pumping based on circular travelling-wave electroosmosis

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Supplementary Movies

Supplementary movie 1 and movie 2 are the original movies videotaping behaviors of 15 μm and 1 μm polystyrene beads in the circular TWEO device respectively. In addition, supplementary movie 3 demonstrates the separation phenomenon of two kinds of polystyrene beads mixed together. We utilize the stereo microscope (M165 C, Leica Microsystems, Wetzlar, Germany) with a single-lens reflex camera (500D, Canon, Ohta-ku, Tokyo) to record the particle behaviors, and the video time scale is real for the whole recording process.