Supplementary Movie 1. Particle sorting with PLACS. Real-time sorting of mixed 10 μm green fluorescent particles and 3 μm red fluorescent particles. 10 μm green particles were detected and switched into the collection channel on the right while 3 μm red particles continued flowing into the waste channel on the left. Average sorting speed was 3,000 particles/s and sample flow speed was ~0.8 m/s. Initial mix ratio of 10 μm green particle to 3 μm red particle