

Supplementary information

Effective Mixing in a Microfluidic Chip Using Magnetic Particles

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Experimental setup

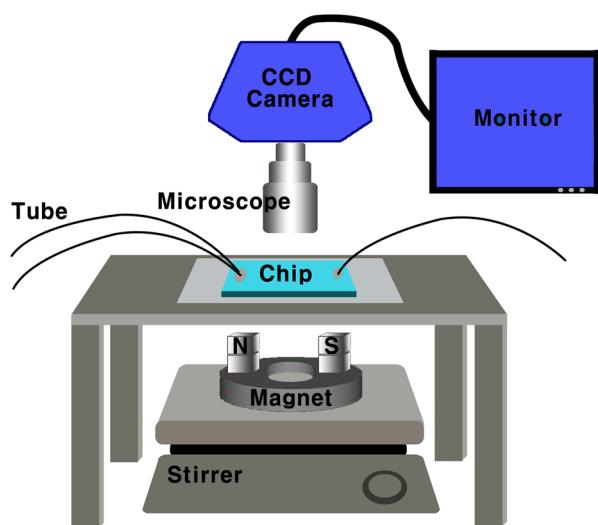


Figure S1 Schematic diagram of the experimental setup used for the mixing experiments.

Image of the chamber containing magnetic particles

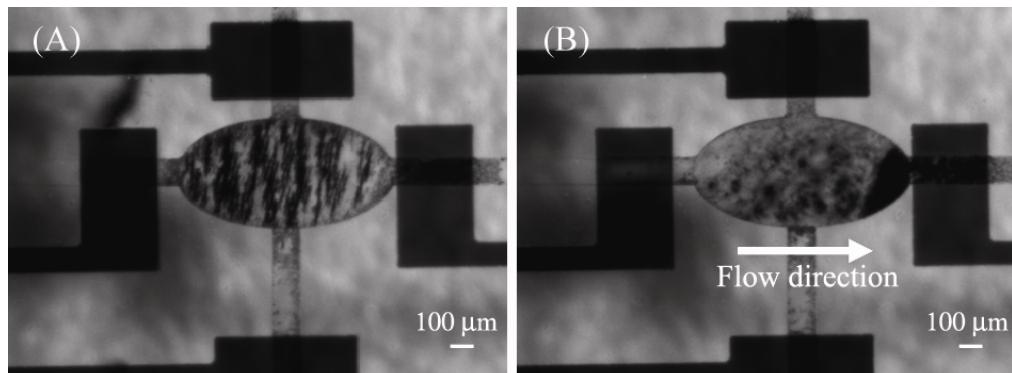


Figure S2 (A) Image of the chamber containing **columnar aggregates of magnetic particles** in the absence of a flow and under the influence of a static magnetic field. (B) Image of the chamber with **irregular shape** of aggregated magnetic particles caused by rotating the magnetic field in the presence of a flow at a flow rate of 1.2–4.8 mm/sec., depending on the location in the mixing chamber.