

Description of Additional Supplementary Files

File name: Supplemental Data 1

Description: The source data behind the graphs in the paper.

File name: Supplemental Movie 1

Description: Recording of the magnetic beads flowing through the S-Flow region of the microchannel.

File name: Supplemental Movie 2

Description: Recording of the magnetic beads flowing through the D-Fixed region of the 30 degree microchannel.

File name: Supplemental Movie 3

Description: Recording of the magnetic beads flowing through the D-Variable region of the 30 degree microchannel.

File name: Supplemental Movie 4

Description: Recording of the magnetic beads flowing through the D-Fixed region of the 60 degree microchannel.

File name: Supplemental Movie 5

Description: Recording of the magnetic beads flowing through the D-Variable region of the 60 degree microchannel.

File name: Supplemental Movie 6

Description: Recording of the magnetic beads flowing through the D-Fixed region of the 80 degree microchannel.

File name: Supplemental Movie 7

Description: Recording of the magnetic beads flowing through the D-Variable region of the 80 degree microchannel.