

Supplementary Material for

Generation of Water-Ionic Liquid Droplet Pairs in Soybean Oil on Microfluidic Chip

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Supplementary Figure S1:

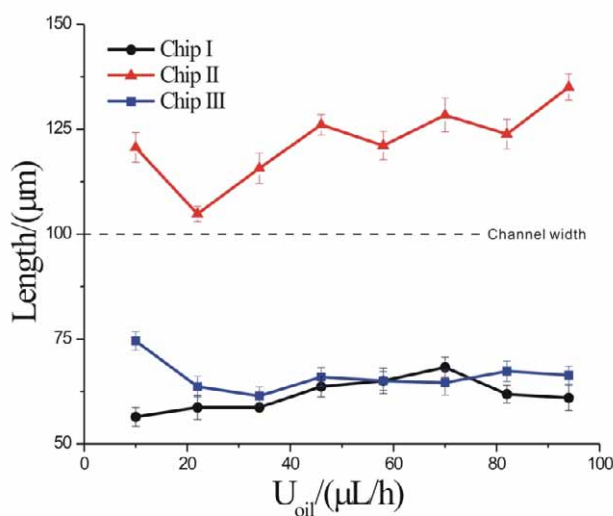


Fig.S1 The lengths of W/IL droplets in different kinds of chips. ($U_{IL}=30\mu\text{L/h}$, $U_W=30\mu\text{L/h}$)

Supplementary Movie 1

The movie shows formation of connected water-IL droplet pairs at the second flow-focusing region. The movie was recorded with a charge-coupled device (CCD, Retiga 2000R, Qimaging Corp, Canada) onto a microscope under 40x magnification (TE2000-U, Nikon Corp).

Supplementary Movie 2

The movie shows formation of alternative water-IL droplet chain at the second flow-focusing region.

Supplementary Movie 3

The movie shows formation of separated water-IL droplet pairs.