

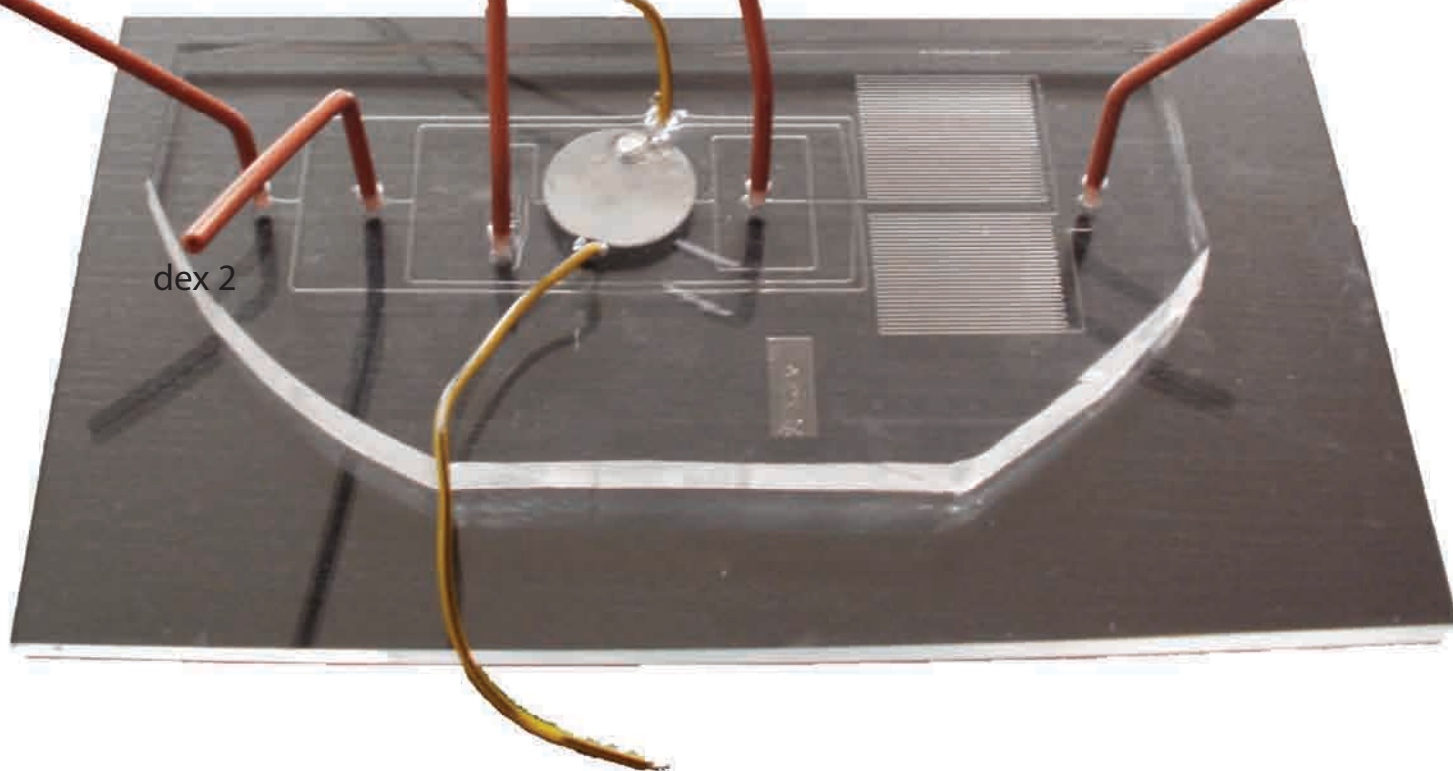
PEG 1

dex 1

outlet

PEG 2

dex 2



PDMS-on-glass chip used for the forced formation of core-shell double emulsions and aqueous microdrops. Solutions of PEG and dextran are fed into the four orange tubes on the left. Forced formation occurs by the contraction of a piezo electric bending disc embedded in the PDMS, which is actuated by applying a sinusoidal voltage to it through the two yellow wires. After their formation, drops flow through a channel with a length of 80 cm before leaving the device through the exit tube.