



**Supplementary Figure S3.** Computational modelling of the fluid flow in the “Pot” microfluidic device. The density of the streamlines and the color code represents the velocity magnitude. A-B) flow lines at 7.6 and 1.9  $\mu\text{m}$  depth in case of Type VI traps and the corresponding velocity magnitude profile across the channel along the line; C-D) flow lines at 7.6 and 1.9  $\mu\text{m}$  depth in case of Type II traps and the corresponding velocity magnitude profile across the channel along the line;