

Title

Separation of Biological Particles in a Modular Platform of Cascaded Deterministic Lateral Displacement Modules

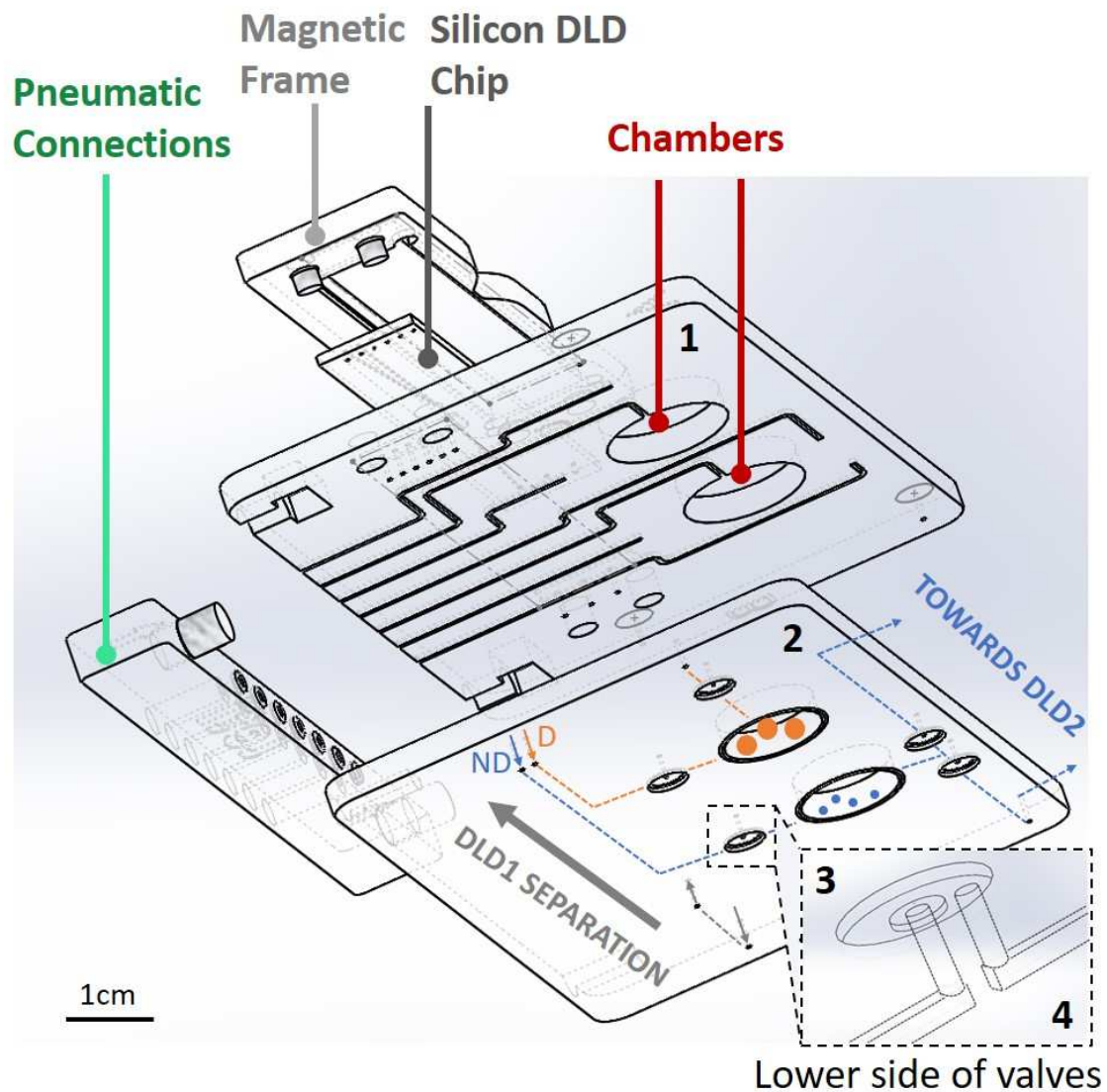
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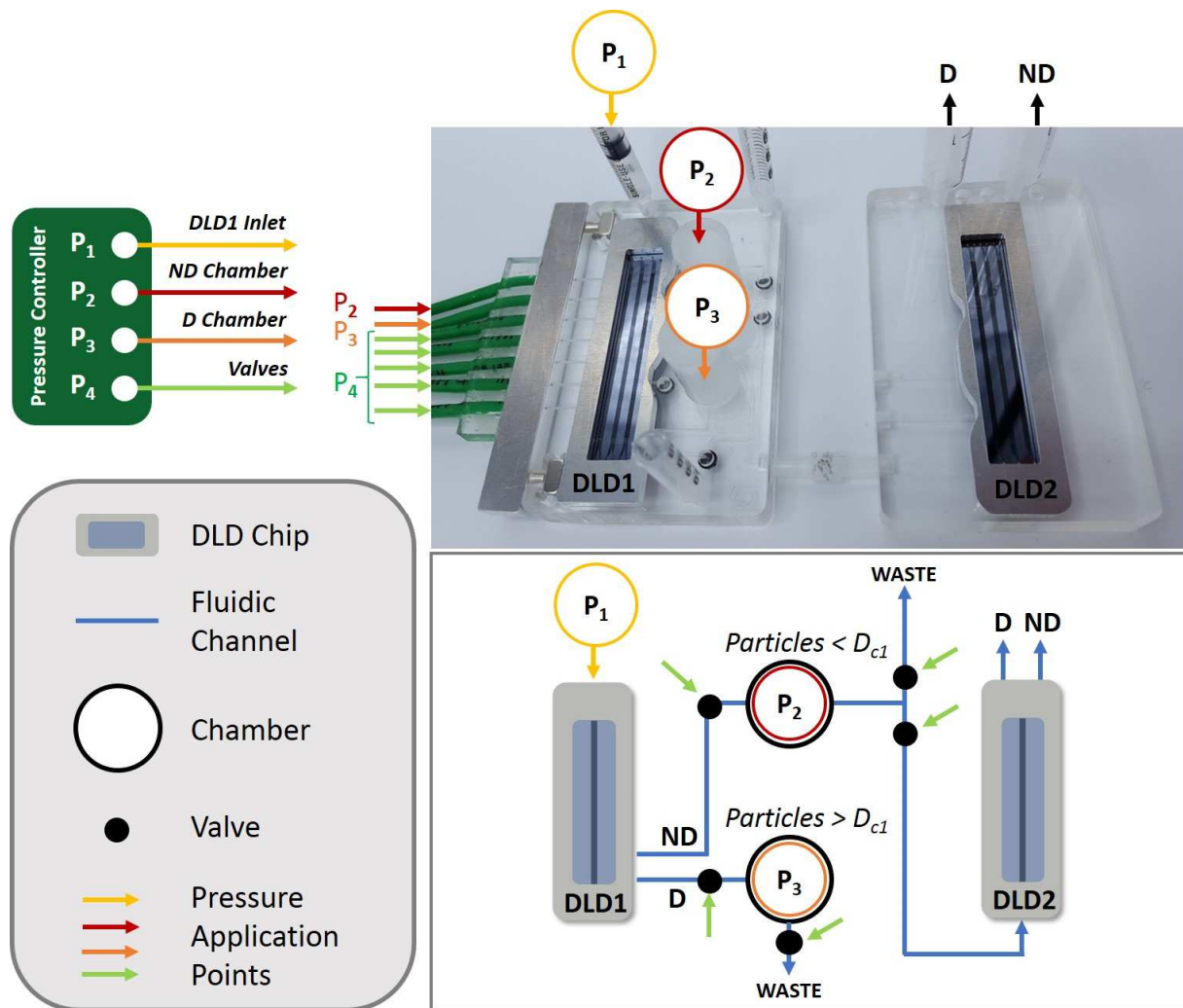
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Supplementary Figure S1: Exploded view of the first module (DLD1) with pneumatic connections to actuate the valves, magnetic holding of the silicon DLD chip and the four layers of the plastic cartridge: pneumatic channels and chamber openings (layer 1), upper side of the valves and chamber openings (layer 2), lower side of the valves (layer 3 in the enlarged box), fluidic channels (layer 4 in the enlarged box).



Supplementary Figure S2: Picture of the cascaded platform and corresponding schematic representation of the fluidic and pneumatic elements. The pressure application points are given for the DLD1 inlet ($P_1 = 100$ mbar), non-deviated DLD1 output chamber ($P_2 = 500$ mbar), deviated DLD1 output chamber ($P_3 = 200$ mbar) and valves ($P_4 = 2$ bar).