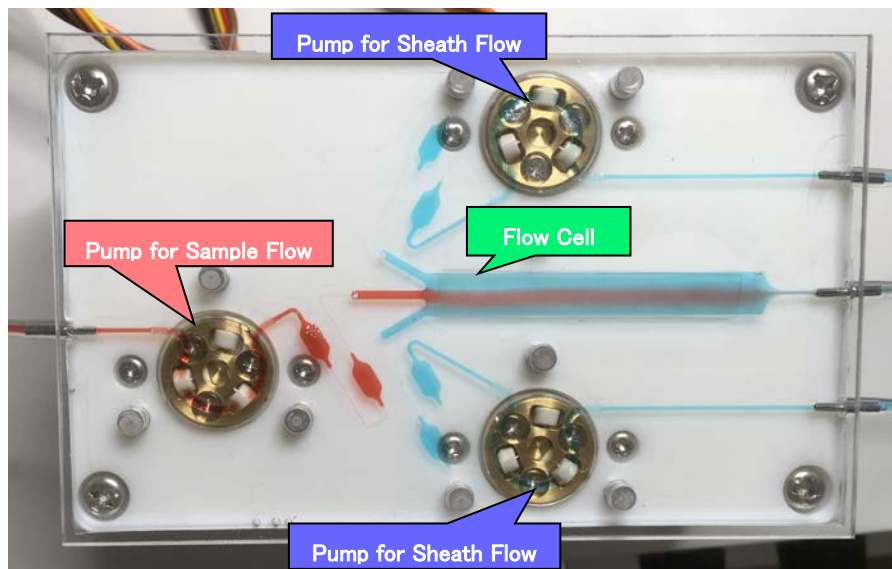
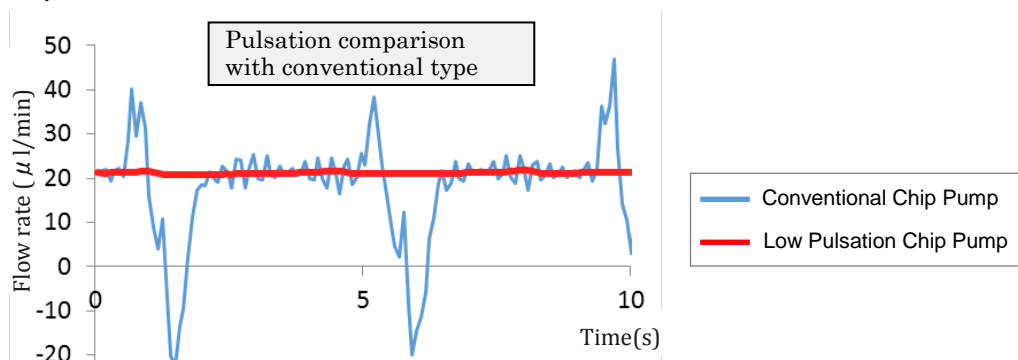


## MICRO PLANAR PERISTALTIC PUMP (Patent Pending) Low Pulsation Chip Pump for Disposable Flow Cytometer



### Features

- A PDMS chip incorporating a peristaltic pumping function, whereby rollers rotate and compress a  $\Omega$ -shaped channel to directly pump the liquid inside. The PDMS chip is replaceable and sterilizable.
- Pulsations, which are the drawbacks of conventional peristaltic pumps, are greatly reduced to the level acceptable for a flow cytometer or a cell sorter. See the red line of the graph below.
- This is a conceptual model of a disposable flow cytometer, in which a sample flow pump, two sheath flow pumps, and a flow cell are incorporated onto one chip. This can be easily replaced for each fluid.



Use the QR code on the right or the link below to see the video of the pumping actions.

[http://www.takasago-fluidics.com/rd/mov\\_prod/chip\\_p/](http://www.takasago-fluidics.com/rd/mov_prod/chip_p/)



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