## Accepted Manuscript

Title: Laser activated single-use micropumps

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### ACCEPTED MANUSCRIPT

#### Highlights

- We present a novel thermal micropumping method for Point of Care applications
- The method is based on expandable microspheres, photopolymers and laser activation
- We report large displaced volumes with good repeatability
- We report contained heat flow within the chip and high pressure capabilities
- We identify common ground with Lab on a Disk μTAS.

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