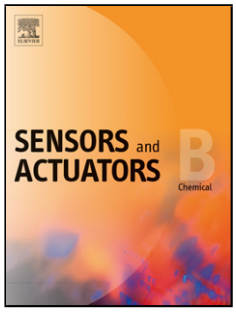

Title: Laser activated single-use micropumps

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PII: S0925-4005(15)00553-5
DOI: http://dx.doi.org/doi:10.1016/j.snb.2015.04.101
Reference: SNB 18406

To appear in: *Sensors and Actuators B*

Received date: 29-1-2015
Revised date: 3-4-2015
Accepted date: 22-4-2015

Please cite this article as: G.P. Kanakaris, N. Fatsis-Kavalopoulos, L.G. Alexopoulos, Laser activated single-use micropumps, *Sensors and Actuators B: Chemical* (2015), http://dx.doi.org/10.1016/j.snb.2015.04.101

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.