## **RCS** Advances

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## **ARTICLE**

## **Supplementary Information**

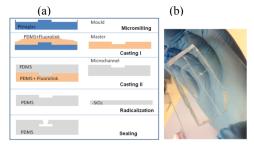
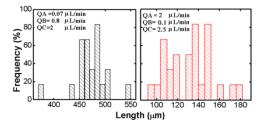


Fig. 1S. a) Fabrication of the microfluidic device. b) Microfluidic device.



**Fig. 25.** Droplet's length according to the flow rate The plot displays two different sets of conditions.



Fig. 3S. Schematic model for boundary conditions.

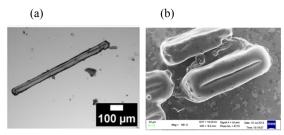


Fig. 4S. a) High Aspect ratio microgels. b) Pattern on the surface of the particles.