Supplementary Information

Trapping and delivery of *Escherichia coli* in a microfluidic channel using an optical nanofiber

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1. Relationship between the trapping region length of the NF and launched optical power

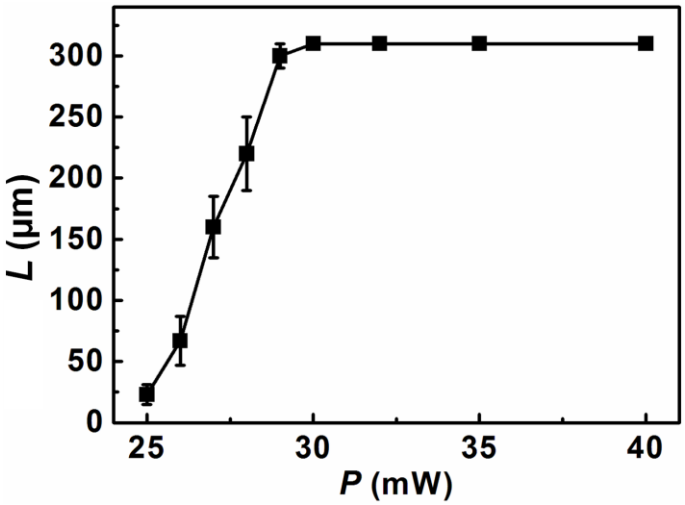

Fig. S1. Trapping region length (*L*) along the NF as a function of launched optical power (*P*), *L* is measured from the beginning of the NF (diameter: 600 nm, length: 310 μm) near the laser input end.

2. Relationship between the maximum delivery distance and launched optical power

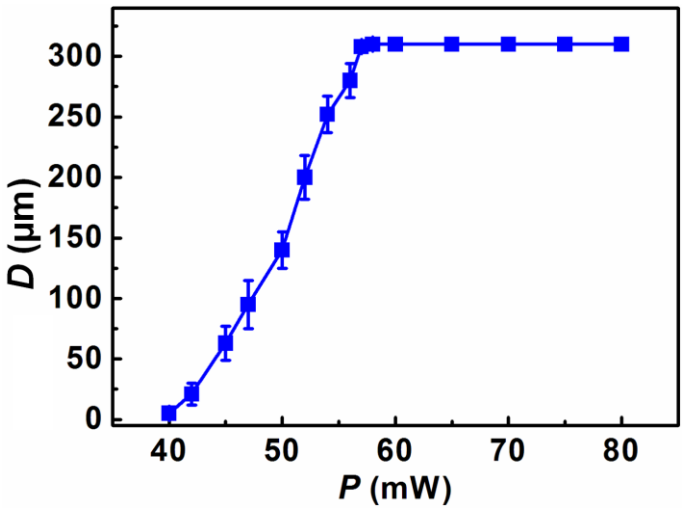

Fig. S2. Maximum delivery distance (*D*) of the *E. coli* along the NF as a function of launched optical power (*P*), *D* is measured for an *E. coli* trapped at the beginning of the NF (diameter: 600 nm, length: 310 μm) near the laser input end.