

Supplementary information *for*

Quantitative and sensitive detection of lipase using liquid crystal microfiber biosensor based on whispering-gallery mode

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Contents

1. Figure S1. Schematic diagram of WGMs in cylindrical LC resonator	S-2
2. Figure S2. The relationship of lipase concentrations to the WGM wavelength shift	S-2
3. Table S1. The relationship between lipase concentration and WGM spectral shift	S-3

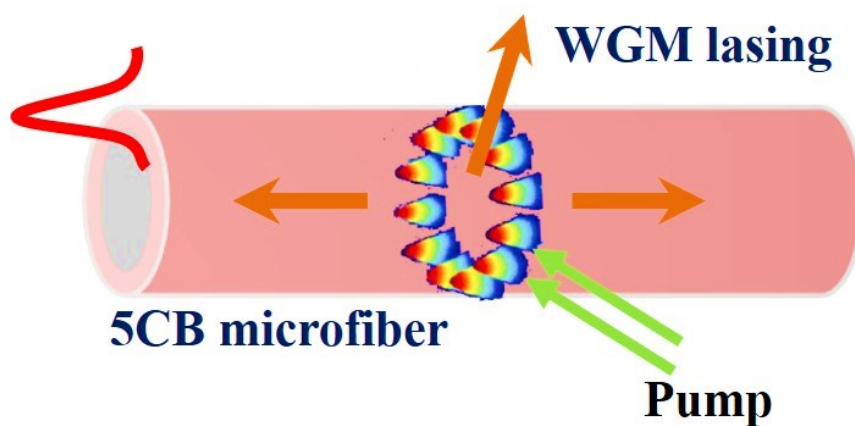


Fig. S1 Schematic diagram of WGMs in cylindrical LC resonator

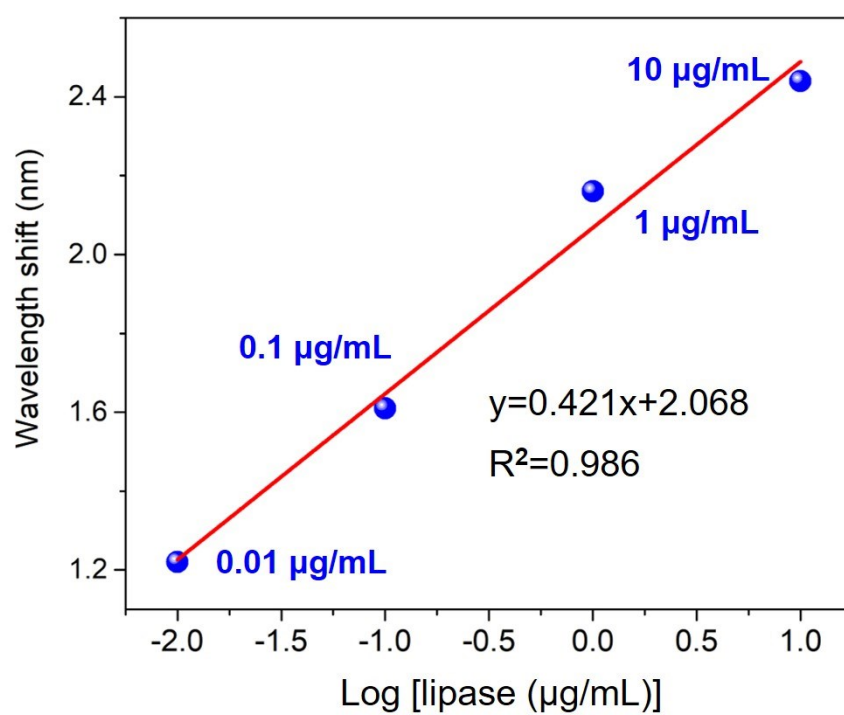


Fig. S2 The relationship of lipase concentrations to the WGM wavelength shift

Table S1. The relationship between lipase concentration and WGM spectral shift

Concentration of lipase	10 μ g/mL	1 μ g/mL	0.1 μ g/mL	0.01 μ g/mL	0.001 μ g/mL
Average wavelength shift	2.44 nm	2.16 nm	1.61 nm	1.22 nm	0 nm
Response time	~80s	~110 s	~180 s	~200 s	——