Supporting Information for Lab On a Chip

Detection of Real-Time Dynamics of Drug-Target Interactions by Ultralong Nanowalls

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Supporting Information

Figure S1

Fabrication process and HRSEM images of the ASL nanowall device.

a) Fabrication process by conventional photolithography, 50 nm ZnO atomic layer deposition (ALD), reactive ion etching (RIE), O_2 plasma, metal deposition for electrical contacts, 5 nm Al_2O_3 ALD and additional opening of the metal contacts. The electrical contacts are passivated by PDMS.

b) HRSEM micrgraphs of the ASL device. The large image shows a top view of the large scale ZnO nanowalls. The inset shows a cross section view including the 1 µm thick SiO_2 substrate.

Figure S2

ELISA Experiments for tetracycline experiments in standard buffer solutions and in spiked milk samples.

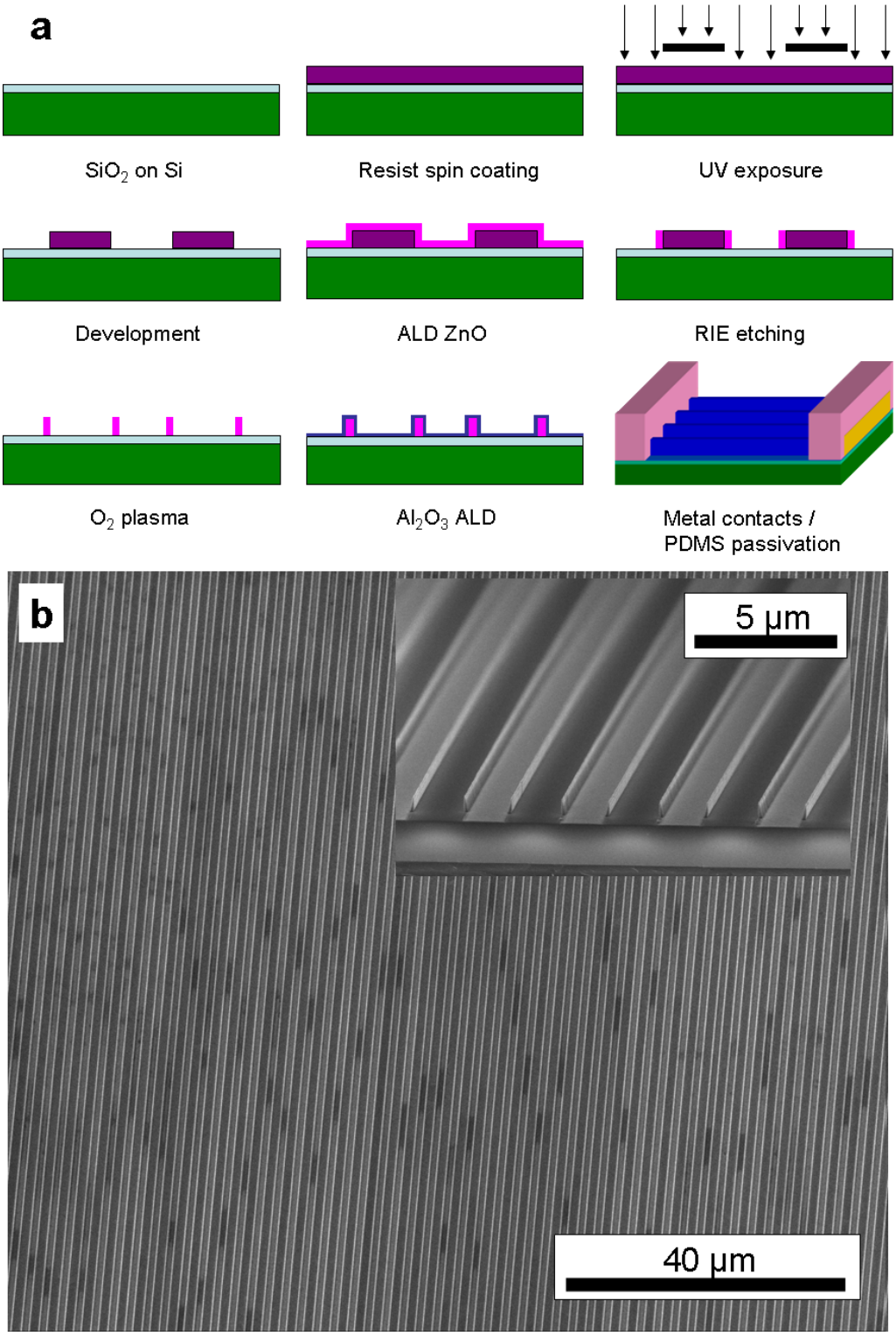

Figure S1

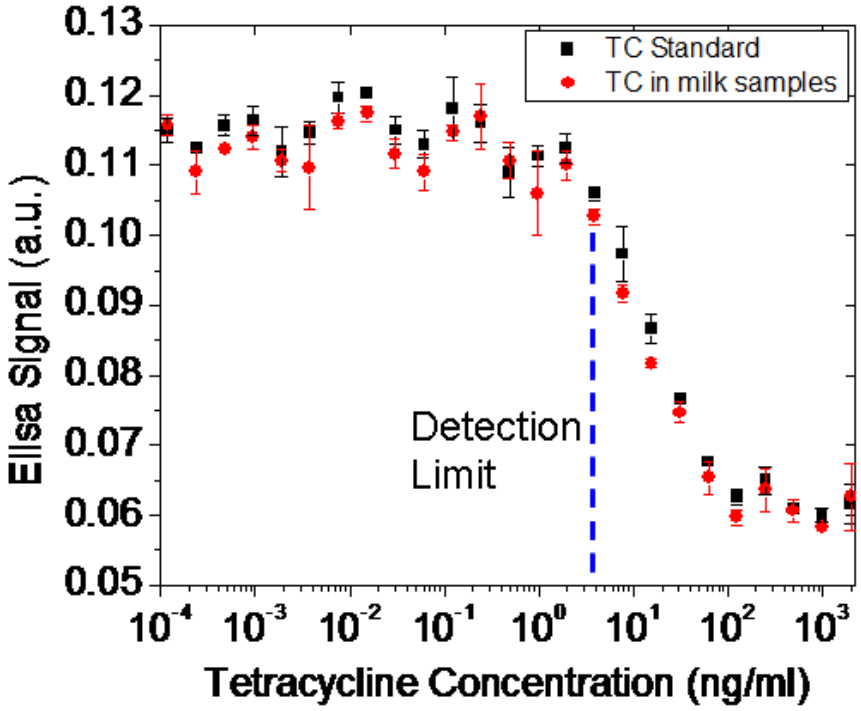

Figure S2