Supporting Information

for

Wafer-scale bioactive substrate patterning by chemical lift-off lithography

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Additional information

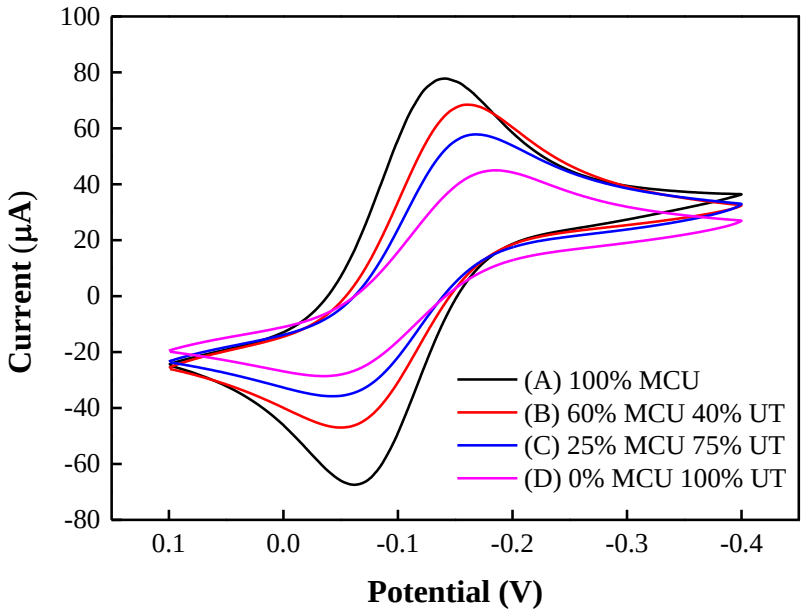

Figure S1: Cyclic voltammograms of 1 mM $[Ru(NH_3)_6]^{3+}$ on different CLL-treated substrates when (A) 100% MCU SAM (0% UT), (B) 60% MCU SAM (40% UT), (C) 25% MCU SAM (75% UT), and (D) 0% MCU SAM (100% UT) were used as the lift-off matrix. The measurements were performed in 25 mM Tris buffer at pH 7.4, and the scan rate was 100 mV/s.

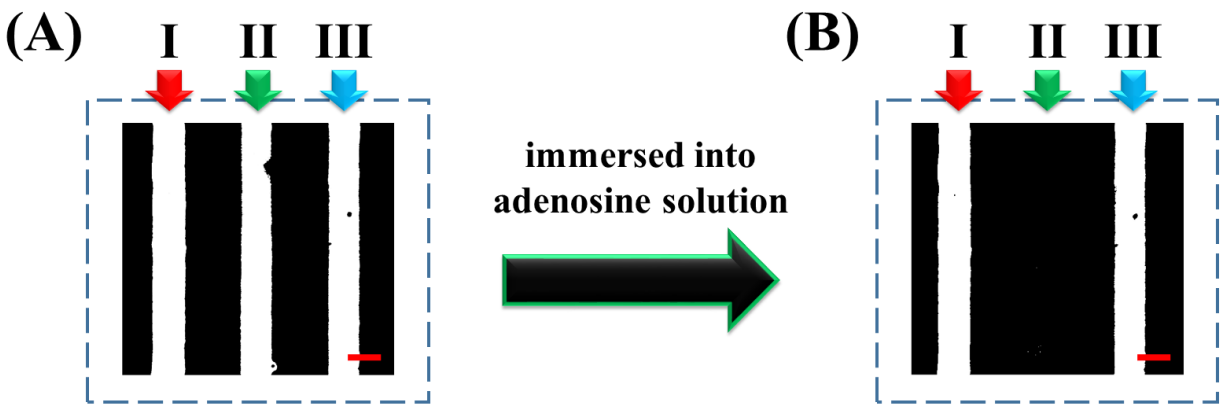

Figure S2: The CLL-created multiplexed surface tethered with three different types of DNA probes: I: Hg^{2+}-specific, II: adenosine-specific, III: cocaine-specific. The column II fluorescence signal clearly disappears upon the addition of 1 mM adenosine solution. The scale bars are 20 μm.