Supporting Information

Real-time liquid crystal-based biosensor for urea detection

Mashooq Khan,1 Young Kyoo Kim,1 Joon Hyung Lee,2 Inn-Kyu Kang1 and Soo-Young Park1*

1 School of Applied Chemical Engineering, Kyungpook National University, Daegu 702-701, Republic of Korea

2 School of Advanced Materials Engineering, Kyungpook National University, Daegu 702-701, Republic of Korea

* Corresponding author E-mail: psy@knu.ac.kr
Figure SI 1. $^1$H NMR spectrum of PAA-b-LCP.
Figure SI 2. LB isotherm curve of the PAA-b-LCP monolayer on water.
Figure SI 3. (a) Schematic diagram and (b) photograph of the sensor cell containing a TEM grid cell.
Figure SI 4. Calibration curve of the urease solutions at $\lambda = 276$ nm.
Figure SI 5. UV-VIS spectra of urease, Rhodamin and urease-rhodamin.