

Supplementary Material (ESI) for Lab on a Chip
This journal is © The Royal Society of Chemistry 2010

Fully integrated lab-on-a-disc for simultaneous analysis of biochemistry and immunoassay from whole blood

Beom Seok Lee¹, Yang Ui Lee¹, Han-Sang Kim¹, Tae-Hyeong Kim², Jiwoon Park², Jeong-Gun Lee¹, Jintae Kim¹, Hanshin Kim¹, Wee Gyo Lee³, and Yoon-Kyoung Cho^{*2}

¹ Samsung Electronics Co. Ltd., 416, Maetan-3Dong, Yeongtong-Gu, Suwon-City, Gyeonggi-Do, 443-746, Korea,

² Ulsan National Institute of Science and Technology (UNIST), Banyeon-ri 100, Ulsan, 689-798, Korea. E-mail: ykcho@unist.ac.kr; Fax: +82-52-217-2509; Tel: +82-52-217-2511

³ Ajou University School of Medicine, San 5, Woncheon-Dong, Yeongtong-Gu, Suwon-City, 442-721, Korea.

*Correspondence should be addressed to Prof. Yoon-Kyoung Cho, ykcho@unist.ac.kr

The Movie shows the full process of biochemical analysis and immunoassay on a disc starting from whole blood. The microfluidic layout of the disc and the corresponding assay protocol are described in **Fig. 1** and **section 3.1**. In addition, snapshot images are shown in **Fig. 3** and **Fig. 4**, respectively. The total process takes 30 minutes.