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

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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.