

**Detection of Viruses with Molecularly Imprinted Polymers Integrated on a Microfluidic Biochip using Contact-Less Dielectric Microsensors**

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Contributions from

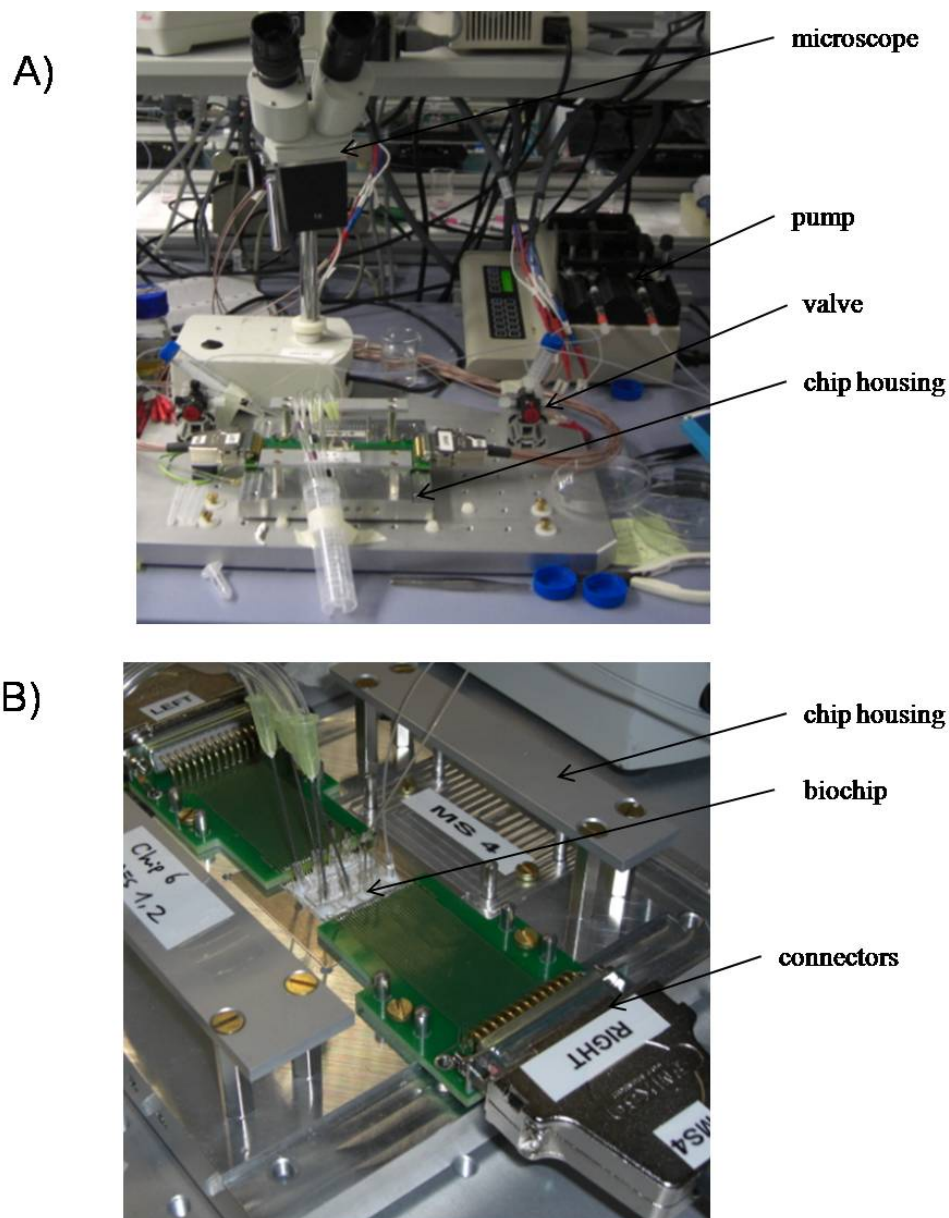
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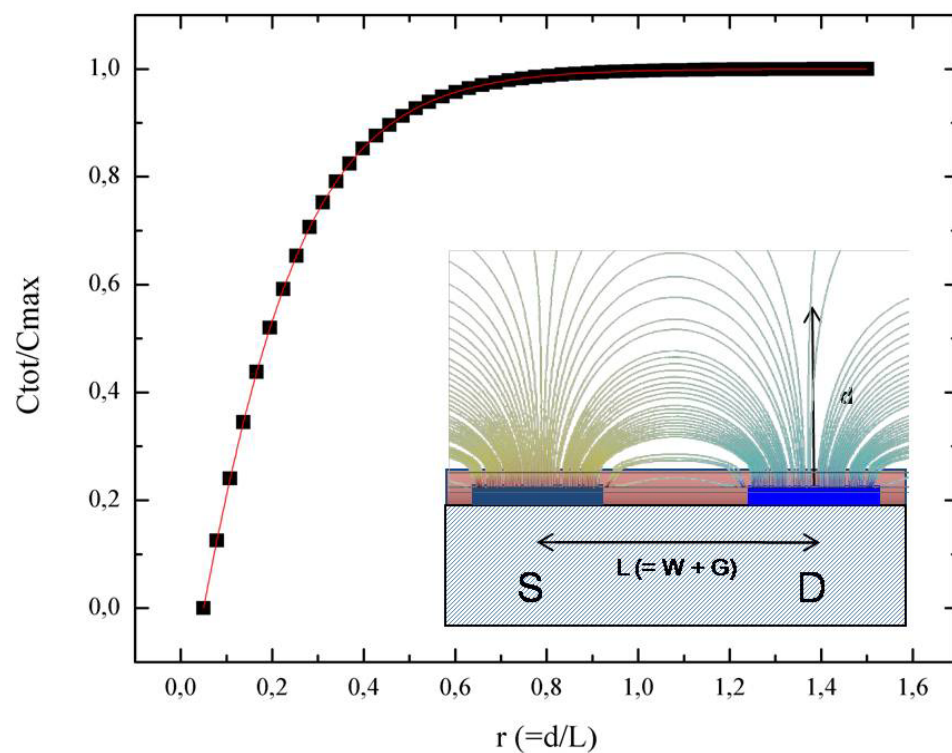
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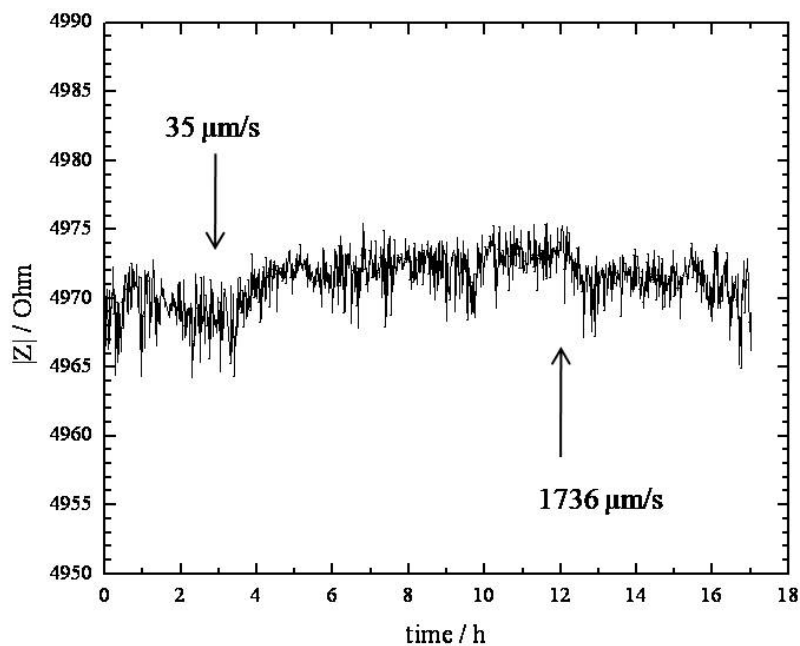
<sup>§</sup> ViruSure, Inc., Donau-City Street 1, 1220 Vienna, Austria. Tel: +43 (0) 1 2699120



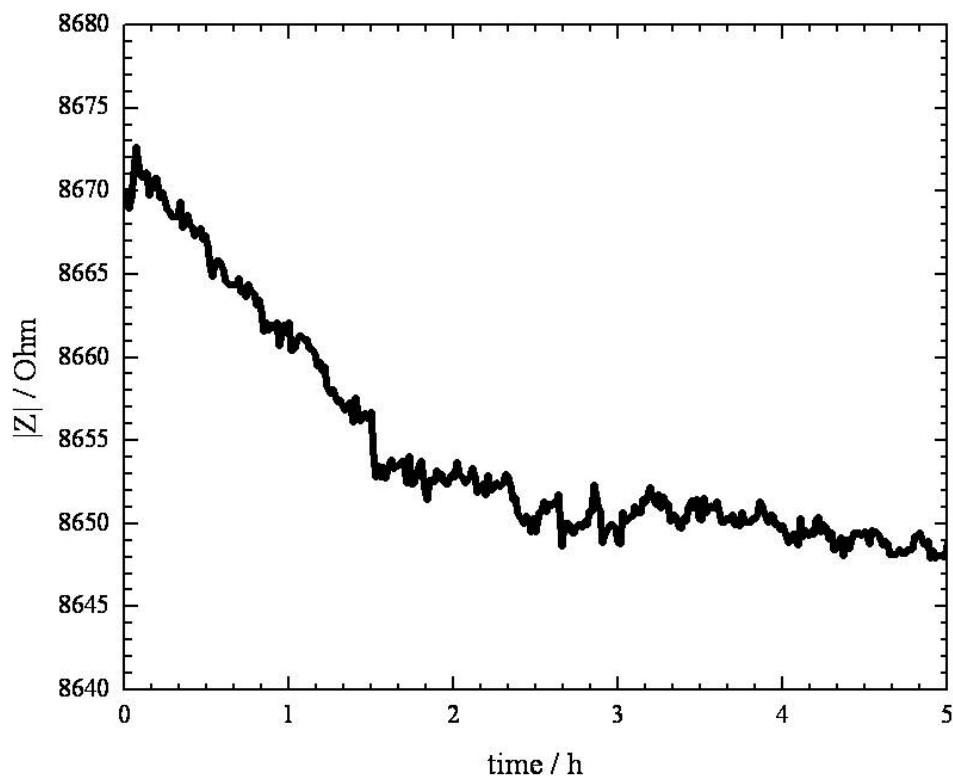
**Suppl. Fig.1:** (A) Photograph of measurement set up including syringe pump, microscope, valves, and chip housing. (B) Picture of chip housing, microfluidic biochip and electronic connectors



**Suppl. Fig.2:** Simulation of electric field distribution above the halve space of the high-density interdigitated electrode structures. Inset shows schematic of electric field lines between two fingers of the  $\mu$ IDC.



**Suppl. Fig.3:** Impedance signal stability (@ 203 kHz over 17 hours in the presence of increasing shear forces.



**Suppl. Fig.4:** Swelling effect of MIP