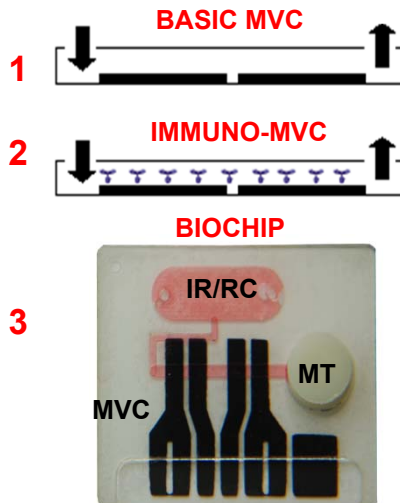
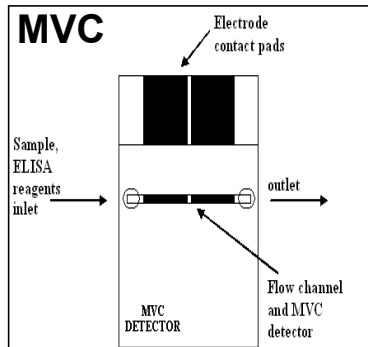
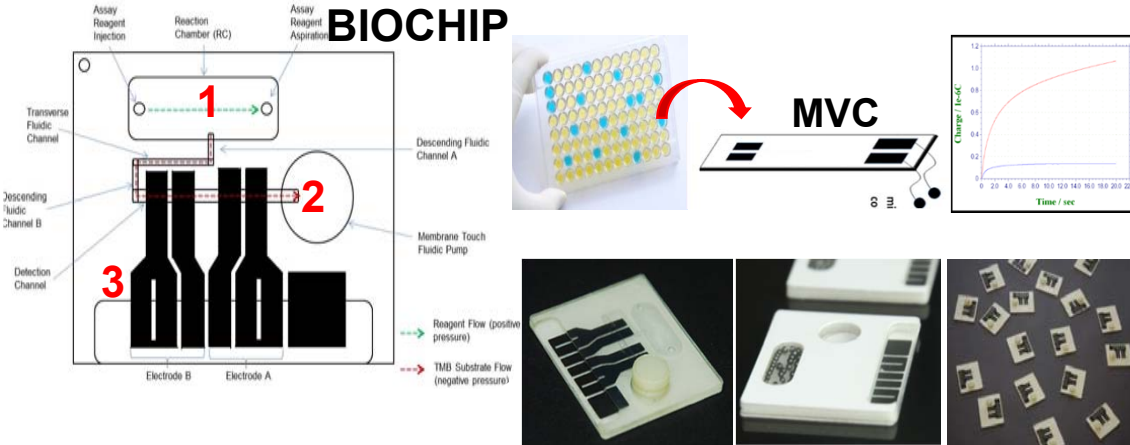


## MVC & BIOCHIP

Electrochemical sensors for the detection of small molecules, proteins and bacteria (cells/spores)



MVC operates on millivolt potential difference excitation pulses ( $\leq 50\text{mV}$ ) applied across a pair of electrodes. The electrodes measure charge flow ( $\text{nC}/\mu\text{C}$ ) associated with redox molecule concentrations and peroxidase activity. **BIOCHIP** feature electrode-base sensors integrated with immuno-functionalised reactors & fluidics device and supported by patented MembraneTouch technology (PCT number: PCT/EP2013/073876).



## BIOCHIP TECHNOLOGY

- **Technical R&D.** Development phase of BIOCHIP completed phase 1 - verification the technology works reliably. Design & testing of the MT microfluidics and MVC sensors.
- **Fields of use.** Biodiagnostics applications: milk liver-fluke and stomach worm-*ostertagia* antibody, blood HSV antibody and food allergens (gluten and peanut protein), urine hCG etc.
- **Validated technology.** Human panel study. Validation of BIOCHIP against an industry accredited laboratory diagnostic.
- **Patented technology.** BIOCHIP is protected by its Membrane Touch fluidics device.
- **Licence agreement.** Signed for use in human diagnostics and food related application.

ELISA & ENZYME PROFILING: BIOFILMS LEGIONELLA HSV SPORES LIVER FLUKE OSTERTAGIA OSTERTAGI