

Multiplex POC platform for biomarker detection with wireless connectivity using surface acoustic wave (SAW) technology

Emerging Clinical & Laboratory Diagnostics:
The Portable Lab

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Moving diagnostics outside of laboratory

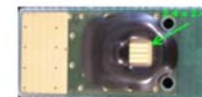
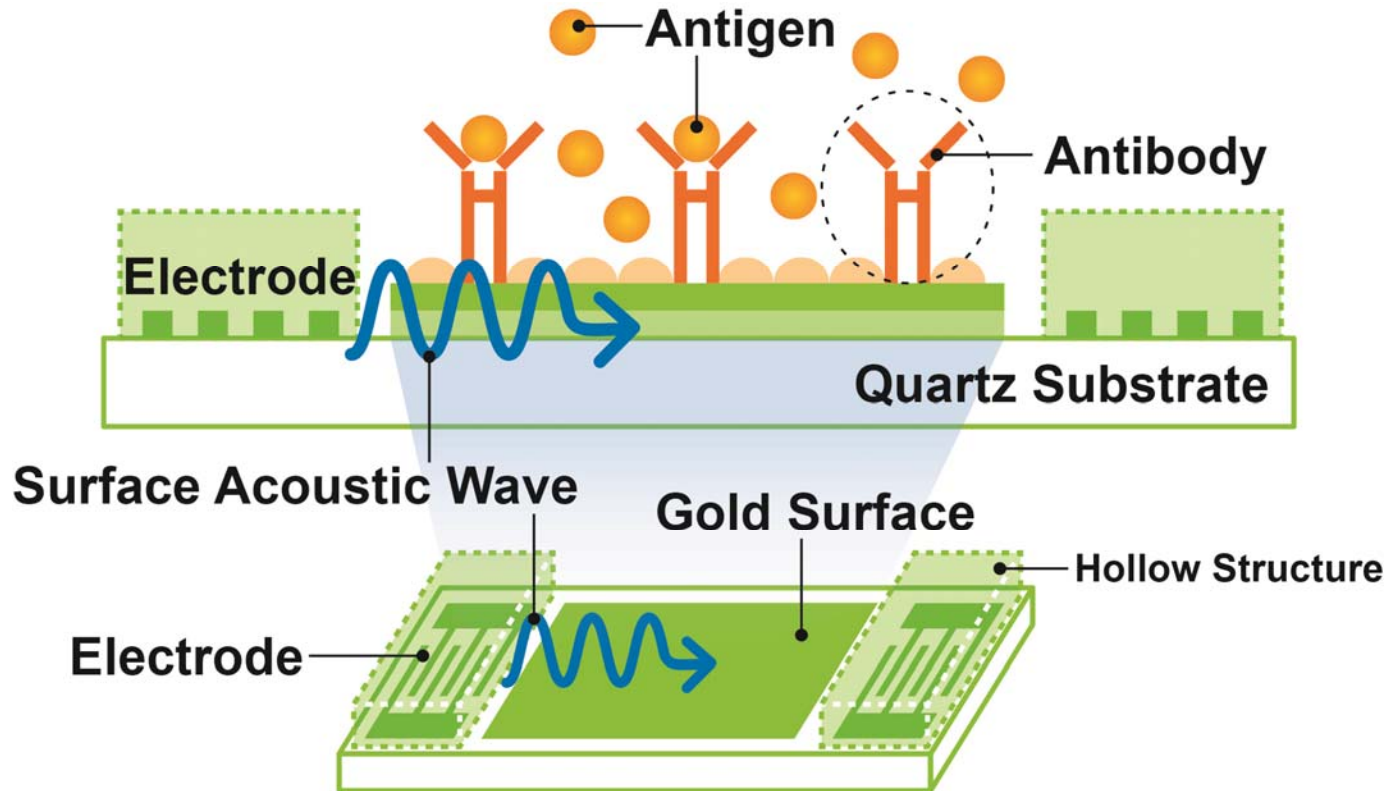


Surface Acoustic Wave benefits

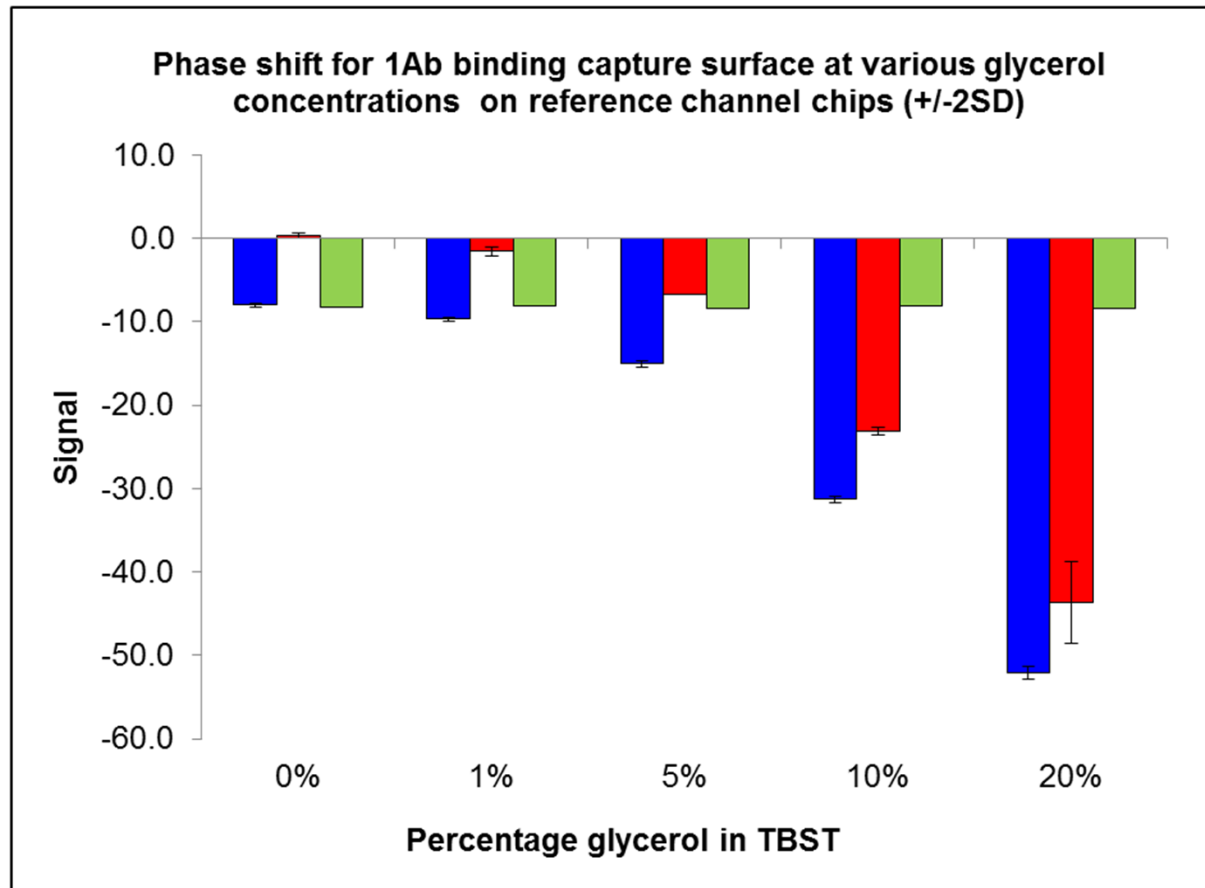
- Rapid reaction time
- Simple electrical detection
- Low cost, mass manufacture
- Quantitative
- Minimal sample preparation



Detection principle

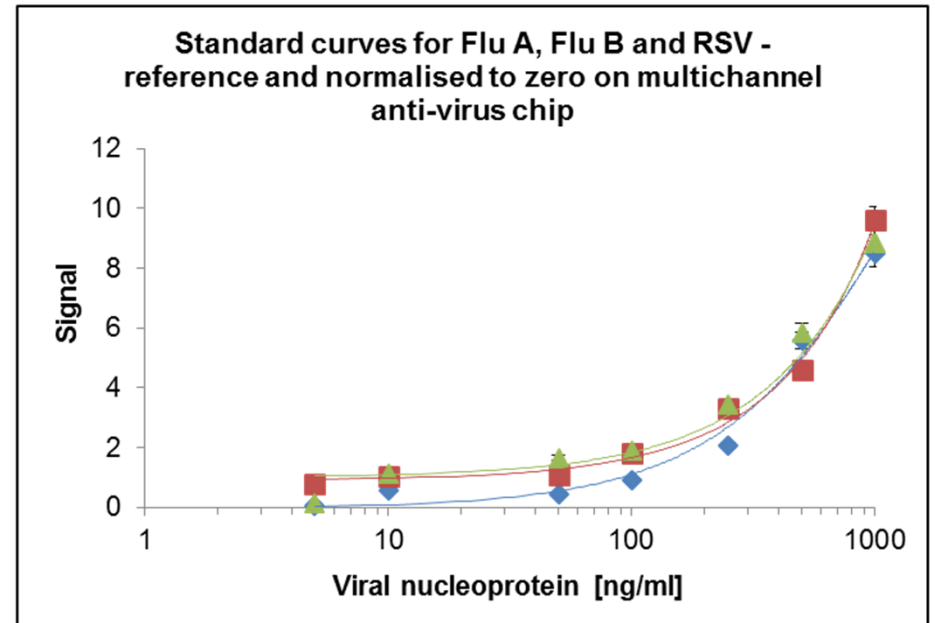
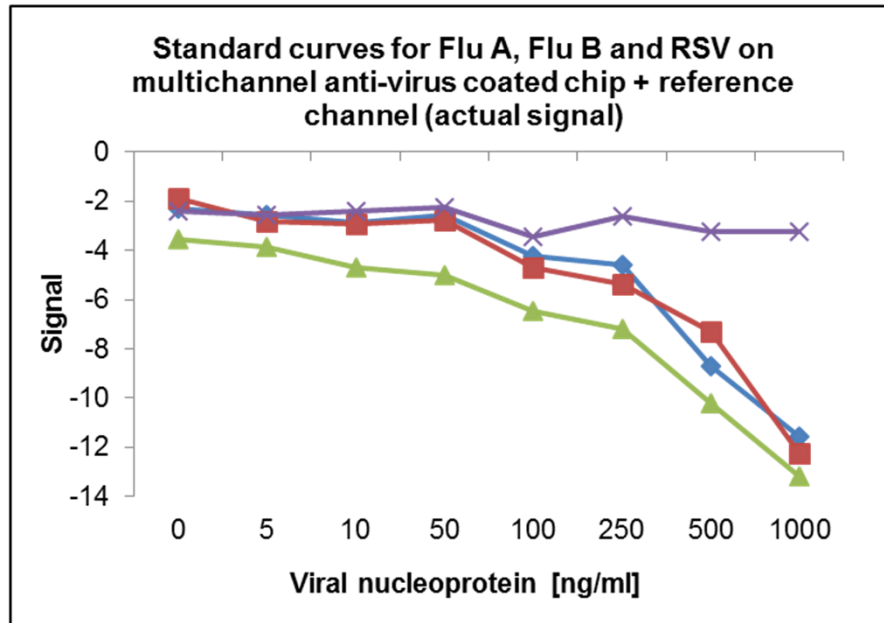


Reference channel function



Urine  Serum Whole blood

Multi-biomarker detection



- Flu A
- Flu B
- ▲— RSV
- ×— Reference

- Flu A
- Flu B
- ▲— RSV

Applications



Prototype

