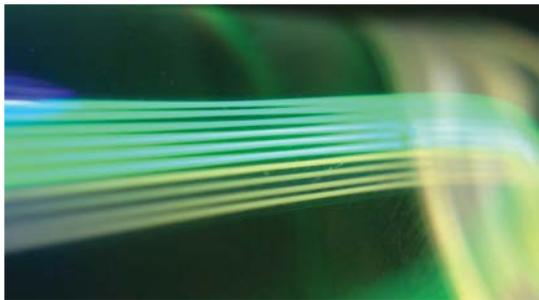




## FluorEx™ Fluoropolymer Capillary Technology for Rapid Multi-Analyte Immunodetection



Introducing CFT's FluorEx™ Micro Capillary Film, a low-cost microfluidic fluoropolymer film that possesses unique optical transparency.

The parallel array of 10 x 200 micron capillaries allow rapid fully quantitative immunoassays to be incorporated in existing or emergent diagnostic technologies for use in the point of care clinical diagnostics market.

### Benefits

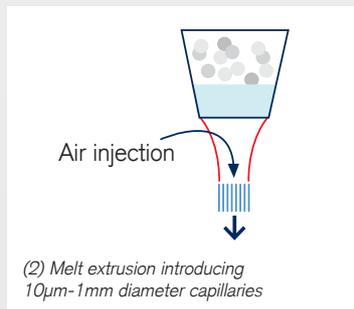
- Next Generation Lateral Flow Technology for Point of Care
- Rapid Quantitative Multiplex Immunoassays
- Low-Cost Fluoropolymer Microfluidic Platform
- Standard Immunochemistry
- Unique Optical Transparency

CFT has exclusive know-how and IP in development of immunoassays and other applications.

The micro capillary film is able to be mass-manufactured ensuring that material costs are affordable while maintaining its capabilities. CFT's FluorEx™ technology is available for licensing.



(1) Plastic 'nurdles'  
~\$10-100/kg



(3) Continuous  
plastic ribbon

The melt extrusion process ensures consistent and reproducible capillary dimension whilst ensuring that the manufacturing costs remain low. FluorEx™ is exclusively manufactured by Lamina Dielectrics Ltd., UK under licence.

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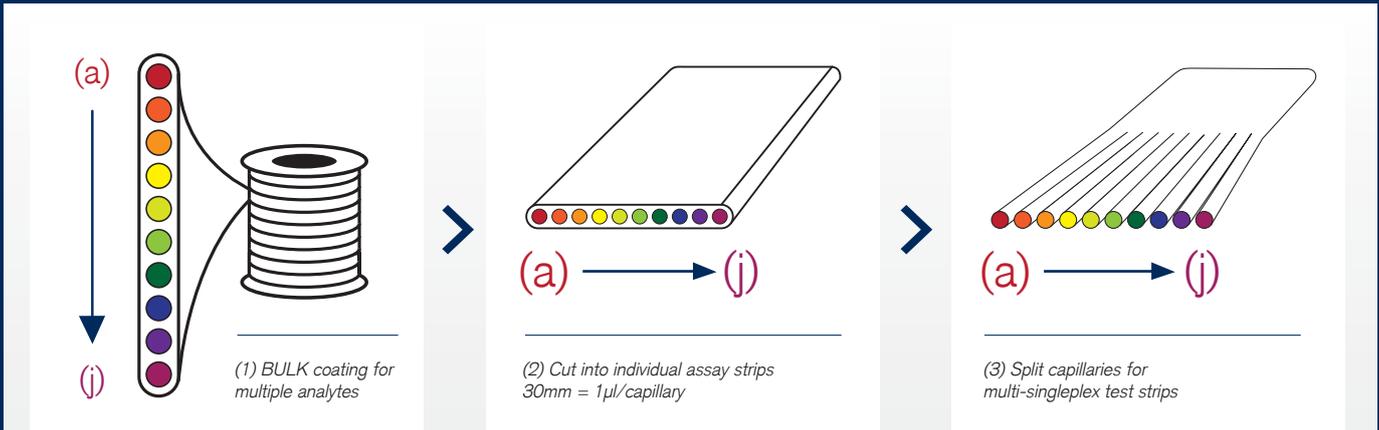
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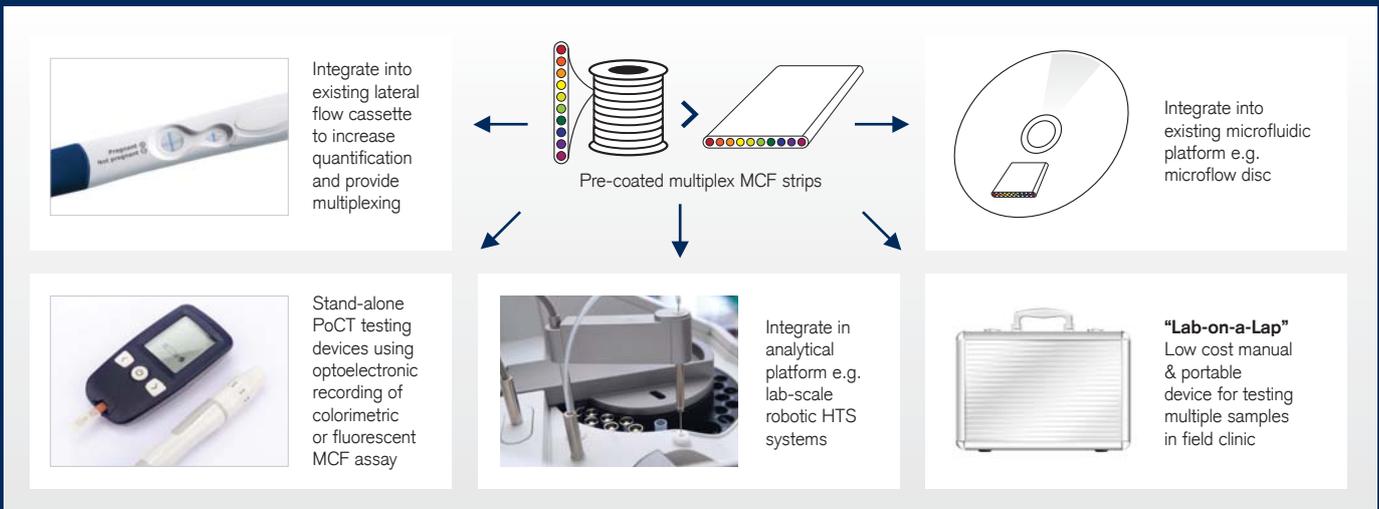




Antibodies can be immobilised within the capillaries in bulk. The capillaries can then be cut to length and fixed into the device where microfluidics can provide the analyte and reagents for the immunochemistry.

FluorEx™ is an array of individual capillaries. Different antibodies can be immobilised within different capillaries offering the potential of detecting and measuring up to 10 different analytes in parallel.

## Key Applications



## Technology

Capillary Film Technology Ltd (CFT) is a technology and product development company for life sciences and clinical diagnostics. CFT is able to bring a disruptive manufacturing technique for the production of low-cost multiplex microfluidic material. Using exclusive know-how and IP, we are currently developing the next generation of lateral flow technology that allows rapid, fully quantitative multiplex immunoassays for field and bed-side/point-of-care use.

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