



Technical Benefits of FluorEx[™] Micro Capillary Film

- · Next generation lateral flow technology for point of care
- Range quantitive multiplex immunoassays
- Low-cost Fluoropolymer Microfluidic Platform
- Standard immunochemistry
- Unique optical transparency

Scalable microfluidic device platform for multiplex immunoassays



10um-2mm diameter

capillaries



FluorEx™



>

...melt-extruded multiplex immunoassays...

Unique optical properties

FluorEx[™] is produced from Fluorinated Ethylene Propylene



Flat geometry and refractive index equal to water results in unmatched transparency



Clarity allows simple quantitative optical measurements e.g. smartphone, CCD

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Scalable Process for Test Strip Manufacture

Production of Micro Capillary Film

- Manufactured to ISO 9001 & LU certified
- Low cost continuous melt extrusion process produces 5km /day
- In-line dual laser control of film geometry (tolerance within +/- 5%)
- Range of internal diameters and geometries possible

Production of Antibody-Coated Test Strips

- Manual coating of up to 100 strips for evaluation and optimisation (2-4h)
- Scalable production line in development for batch (<5k strips per batch) or continuous (>10k strips per day) production of antibody coated test strips





Stability of IL-6 strips

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