



# Breaking news:

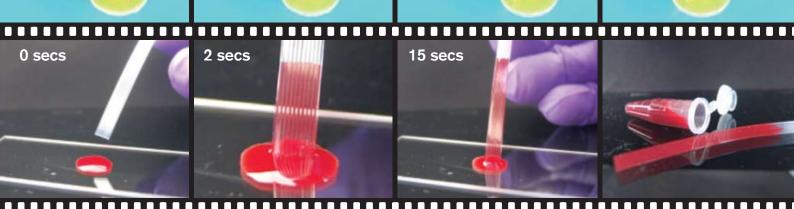
## CFT launches new instant multiplex assay platform

### Microfluidic performance with dipstick simplicity

- Instant microfluidic multiplex assays
- Next generation lateral flow technology for point of care testing
- Range of standard assay chemistry options
- Unique optical transparency allows quantitative colorimetric or fluorimetric measurement

Instant assays in FluorEx<sup>™</sup> microcapillaries: simply dip and test





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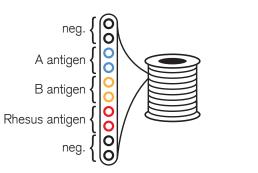
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### Example: Instant dipstick ABO blood typing

**1** Modified micro capillary film prepared to test for A B and rhesus antigens in bulk reel

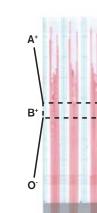


#### Advantages

- Low cost mass test strip manufacture
- Instant operation: no fluid handling needed
- Power free only digital camera or smartphone needed to record results
- Suited to any colorimetric assay chemistry
- Up to 10 analytes tested per single sample in 0.2mm diameter microcapillaries

2 Cut into A/B/Rh test strips

3 Instant ABO blood typing in test strips



Caps 3, 4, 7, 8 (A and rhesus) Caps 5, 6, 7, 8 (B and rhesus) Caps 7,8 (only rhesus)

Agglutination:

Other rapid tests already developed include enzymatic measurements and microbial identification assays

### Scalable process for test strip manufacture

#### **Production of Micro Capillary Film**

- Manufactured in UK ISO 9001 & LU certified facility
- 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 Multiplex Assay Test Strips

- Manual small batch preparation of up to 100 strips for evaluation and optimisation (<1h)
- Scalable production line in development for batch (<5k strips per batch) or continuous (>10k strips per day) production of reagent loaded test strips

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