



Jess

From proteinSimple™
Part of Bio-Techne

AUTOMATED CAPILLARY WESTERN BLOT

Unil.

Protein
Analysis
Facility

WIDE SEPARATION RANGE

From 2 to 640 kDa.

FLEXIBILITY

12 or 24 independant samples.

RELIABILITY

CV <10% (intra-run), <20% (inter-run).

LIMITED

Only 3 μ l sample per capillary.

SPEED

72 samples in 24h.

2 POSSIBLE RUNS

Regular

3h

Load matrix & samples



Separate & immobilize



Immunoprobe antibody 1



Detect & quantify target 1



RePlex

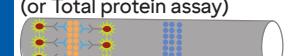
5h30

A second run can be done in the same capillary.

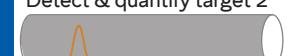
Remove antibody from 1st immunoprobe



Immunoprobe antibody 2 (or Total protein assay)

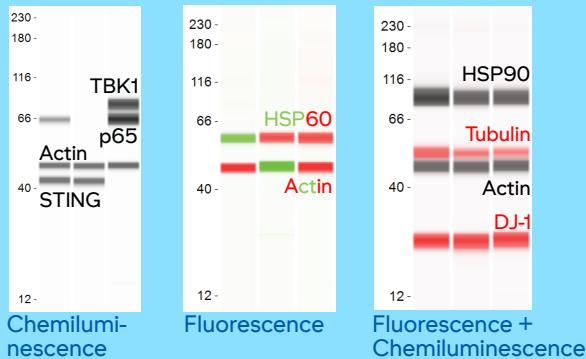


Detect & quantify target 2



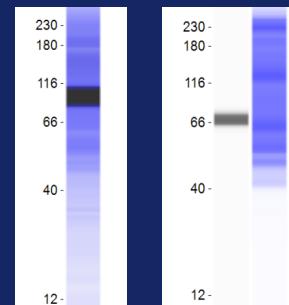
Adapted from ProteinSimple

2 DETECTION MODES FOR MULTIPLEXING



TOTAL PROTEIN NORMALISATION

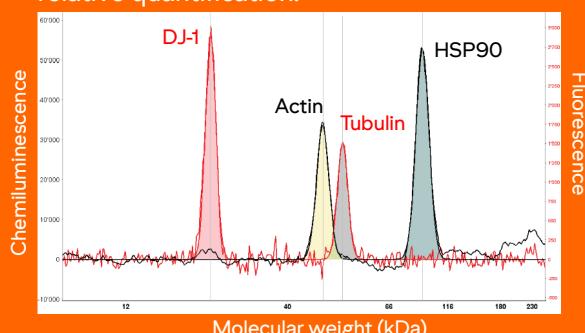
Data can be normalized to total proteins, which is more reliable than housekeeping proteins.



Total proteins are detected either with the antibodies (left) or in a RePlex 2nd step (right).

ACCURATE QUANTIFICATION

Area Under the Curve is measured for relative quantification.



New to western blotting?

Working with tiny sample volumes ?

Dreaming of reliable quantitative data ?

THEN JESS IS FOR YOU

Contact

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