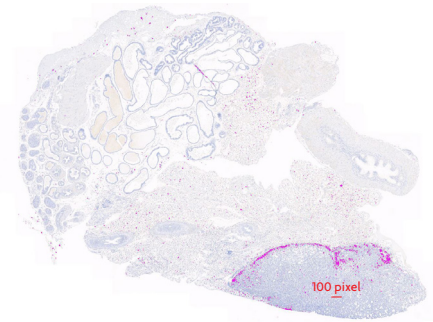


## Whole Section Image Analysis

Whole section image analysis (WSIA) quantifies immunostaining findings, providing valuable resolving power to preclinical development and safety studies.

Featuring customised algorithms which correct for variations in section type, size, and heterogeneity of staining.



Tumour Xenograft Whole Section. Magenta highlight shows biomarker

### Applications:

- › Validation of drug targets
- › Confirm Drug MoA
- › Identification of biomarkers
- › Rank drug outcomes

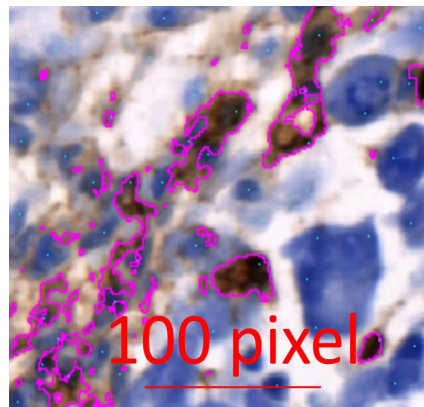
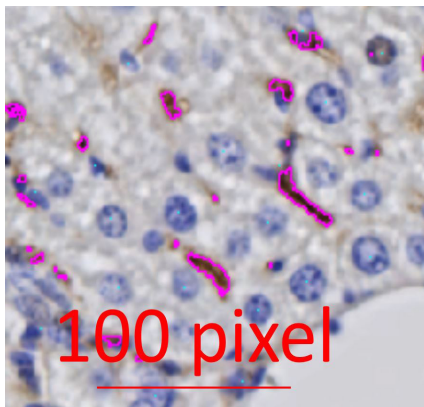
### Benefits:

- › Whole section analysis solves tissue heterogeneity issues.
- › Data Normalisation facilitates inter-tissue comparison.
- › Automated image analysis process facilitates inter study comparisons and alleviates operator bias.
- › Demonstrates on target and off target effects.

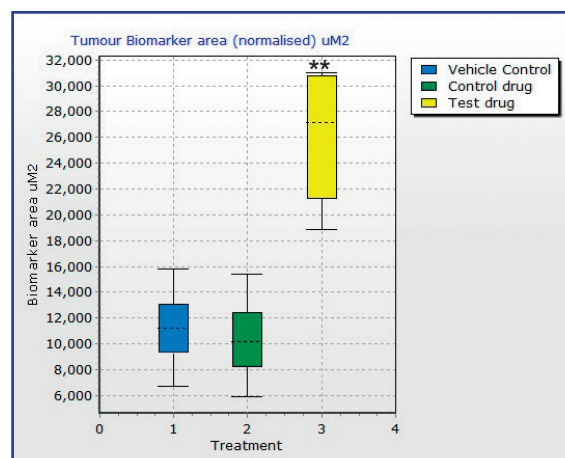
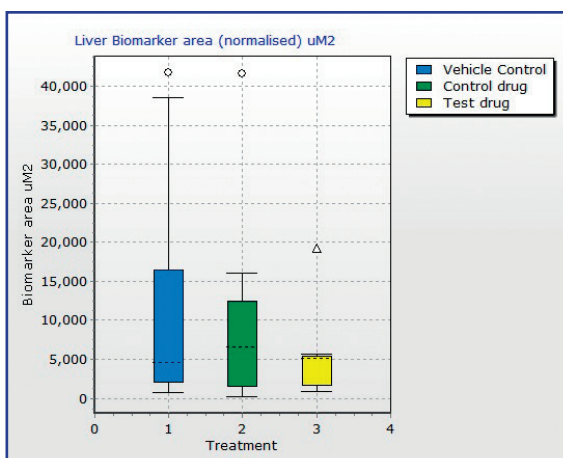
LIVER

VS

TUMOUR XENOGRRAFT



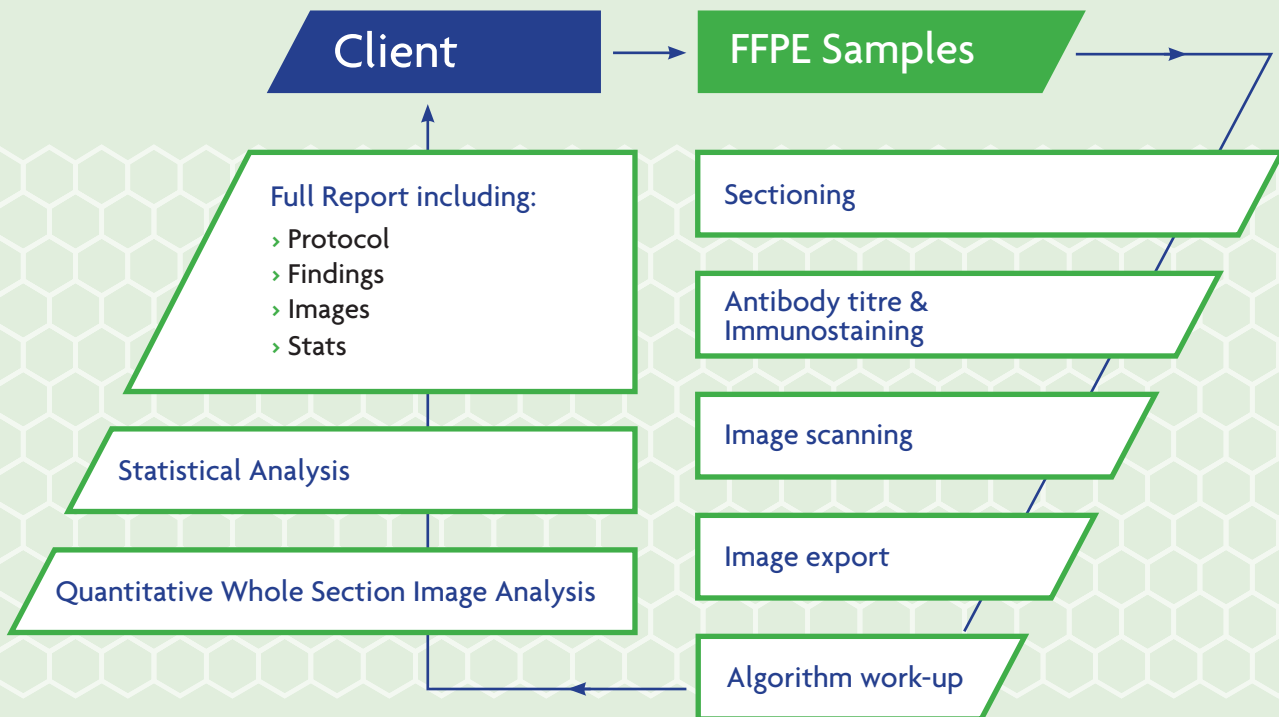
Magenta highlight shows biomarker; cyan dot nuclei



Data shows selective accumulation of biomarker in tumour vs liver

# Whole Section Image Analysis Workflow

The following schema shows the workflow of a typical WSIA project, following supply by Client of FFPE tissue to MicroMatrices for Analysis:



Whole Section Image Analysis is only one of the services MicroMatrices use to obtain new information from FFPE samples.

For more in depth information and case studies please contact Simon Plummer (contact details below), or visit our website at [www.micromatrices.com](http://www.micromatrices.com)