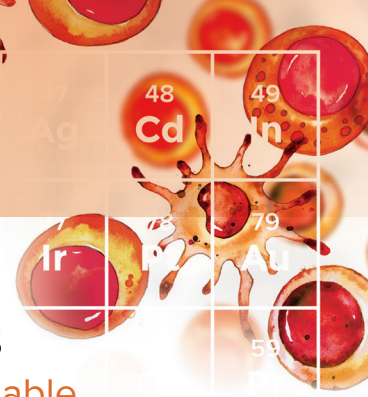




Introducing Fluidigm Therapeutic Insights Services

Mass cytometry and Imaging Mass Cytometry services now available

Therapeutic Insights Services offers sample-to-answer mass cytometry and Imaging Mass Cytometry™ (IMC™) services for your research needs.

- Expert consultation available from experimental panel design to data analysis
- Sample staining options can be arranged through consultation with our scientists and include use of individual or combinations of:
 - Maxpar® catalog antibodies
 - Custom metal-tag conjugation
 - Maxpar Direct™ Immune Profiling Assay™
 - Maxpar Human Immuno-Oncology IMC Panel Kits
- A selection of data acquisition and analysis is available, including:
 - Mass cytometry: staining quality assessment, viable cell selection and enumeration, 2D dot plots, t-SNE maps and summary report
 - Immune cell population assessment and quantitation for immune profiling assays studies
 - IMC: image pre-processing, image segmentation, cell enumeration, phenotype characterization and summary report

Mass Cytometry

Interrogate more than 50 parameters simultaneously on millions of individual cells to uncover new cell types, functions and biomarkers in immunology, cancer, stem cells and more with CyTOF® technology. CyTOF technology uses metal-tagged antibodies to resolve highly multiplexed protein markers and enumerate cell populations. Therapeutic Insights Services uses proven Maxpar reagents and kits and can develop custom panels to interrogate cells in suspension with mass cytometry on a Helios™ to reveal systems-level biology at single-cell resolution.

Imaging Mass Cytometry

Spatially resolve your proteins of interest with IMC on the Hyperion™ Imaging System and gain insights into tissue microenvironment, developmental biology, disease progression and response to therapy studies. IMC couples trusted CyTOF technology with imaging capability for the spatial interrogation of up to 37 protein markers in a single multiplexed run. Using metal ion tags rather than fluorophore results in uniform staining with minimal background, with no spectral overlap or issues with autofluorescence. Leveraging pathologist-verified Maxpar metal-conjugated antibodies, IMC provides unprecedented visualization of complex cellular phenotypes and their relationships in the context of tissue and tumor microenvironments.



Figure 1. Three simple steps to high-dimensional insights.

Contact your local sales representative or email tis@fluidigm.com to get started.

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