



Introducing Fluidigm Therapeutic Insights Services

Leverage Fluidigm mass cytometry and Imaging Mass Cytometry technologies through Therapeutic Insights Services

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
- Custom antibody sourcing, conjugation and verification
- Staining for IMC with standard or custom panels
- Mass cytometry or IMC data acquisition
- Data analysis including:

Mass cytometry: staining quality assessment, viable cell selection and enumeration, 2D dot plots, t-SNE maps and summary report

IMC: image pre-processing, image segmentation, cell enumeration, phenotype characterization and summary report

single-cell analysis platform that uses metal-tagged antibodies to resolve highly multiplexed protein markers and enumerate cell populations, all with a simple workflow. Fluidigm Therapeutic Insights Services uses proven Maxpar® reagents and protocols to interrogate cells in suspension with mass cytometry on Helios™, a CyTOF system, and 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 Fluidigm CyTOF technology with imaging capability for the spatial interrogation of up to 37 protein markers in a single multiplexed run. The IMC workflow relies on metal ion tags rather than fluorophores, resulting in uniform staining with minimal background, with no spectral overlap. 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.

Mass Cytometry

Interrogate more than 50 markers simultaneously on millions of individual cells to unveil new cell types, functions and biomarkers in immunology, cancer, stem cells and more with CyTOF® technology. CyTOF is a

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

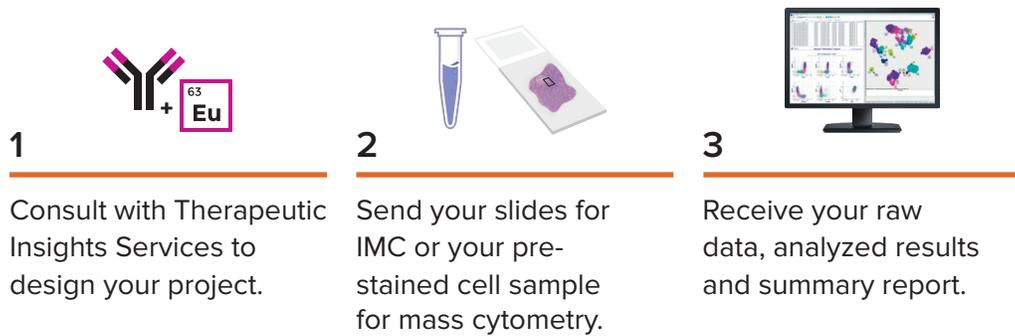


Figure 1. Three simple steps to high-dimensional insights.

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