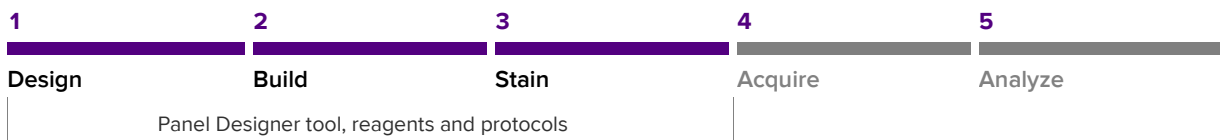


Data in every drop

Optimize your mass cytometry experiments with Maxpar reagents

Fluidigm reagents, validated protocols, and Maxpar® Panel Designer tool provide all the necessary components for quality high-dimensional mass cytometry (CyTOF) experiments, accelerating discoveries through singlecell proteomics. CyTOF® detection reagents use highly enriched stable isotopes as tags, producing data with minimal background noise or signal overlap.

Mass Cytometry Experimental Workflow



Design your panel

Our interactive web-based application simplifies panel design, letting you construct high-dimensional proteomic panels using metal-conjugated antibodies from the Fluidigm catalog and your custom conjugates. Access the Panel Designer tool at fluidigm.com/assays. Also, Fluidigm application specialists are always available to assist in fine-tuning your panel design.



Build your panel

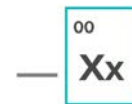
Fluidigm offers a full range of metal-conjugated antibodies, pre-assembled panel kits and antibody-labeling kits, as well as custom conjugation services. Our **Maxpar metal-conjugated antibody catalog** features more than 400 antibodies to human, mouse and cross-reactive targets covering a range of applications, including phenotyping, cytokine expression, signaling responses, apoptosis and cell cycle. Secondary antibodies are also available against fluorophores, GFP and biotin.



Fluidigm **Maxpar panel kits** consist of prevalidated and optimized panels of antibodies that measure up to 17 surface or intracellular targets. Panel kits target specific applications such as cell cycle and signaling pathways, or phenotypic and functional markers associated with specific cell types including stem cells, T and B cells or monocytes/macrophages. Kits can be combined with each other or individual antibodies to rapidly create customized panels measuring 35 or more parameters simultaneously.



Our **Maxpar labeling kits** let you tag IgG clones with your choice of up to 35 metals. Order them individually or as sets, with each kit containing enough material to conjugate 4–40 antibodies in 100 µg amounts.



Our **custom conjugation services** quickly take you from design to discovery with performance-validated custom antibodies. Whether your experiments require antibodies not found in the Maxpar catalog or alternate tags for existing targets, we provide biologically validated quality-controlled reagents, with a turnaround time of two to four weeks. When you are designing novel personalized panels, it is particularly helpful to begin with validated antibodies to ensure the highest level of data quality and consistency. Please contact your local sales office for details.



Stain your sample

Our portfolio of staining reagents and protocols ensures you get optimal data quality, flexibility and throughput from your CyTOF experiments.

Barcode reagents allow unique metal-ion tagging of up to 20 individual samples, offering increased throughput, improved protocol consistency and enhanced data quality. Barcoding is a powerful enabling component for highly complex experiments involving multiple samples, time courses and dose-response assays.



Cell-ID™ reagents support identification of nucleated cells with dead cell discrimination as well as detection of cells in S phase of the cell cycle.



Maxpar buffers and **protocols** provide optimal and consistent staining conditions for external, cytosolic and nuclear targets, while **calibration beads** enhance data quality and support intersample analysis.



We regularly add new reagents and targets to our portfolio to support new applications and fields of inquiry. Visit fluidigm.com/reagents to see the latest products available.

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