Maxpar
Panel Designer v2.0

An Overview of New Features

Nina Lane and Michelle Poulin
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New and improved features
Algorithm improvement

Ability to apply and then choose new metals that are within the Helios™ detection range but are not yet supported by Fluidigm

Ability to choose or combine reactivities (for example, mouse, human)

Ability to switch between instrument types (e.g. CyTOF® 2 to Helios)

Signal and tolerance values of over 800 Maxpar® antibodies.

Updated catalog

The Maxpar® Direct™ Immune Profiling Assay™ is available to import as a panel.

Maxpar MCP9 Antibody Labeling Kits (with cadmium isotopes) are available to select as metal tags.

Monoisotopic cisplatins (194, 195, 196, 198Pt) are available to select as metal tags.

Maxpar human immuno-oncology antibodies are available individually to select and as 1 of 6 Maxpar Direct Expansion Panel kits to import.
Updated user interface

Autosave no longer obscures the Optimize, Export, Add, and Panel buttons when the browser window width is reduced.

Compatibility with Mac OS X Yosemite 10.10 or later

The last edit is time-stamped to exported panel CSV file.

Ability to add and delete targets in My Catalogs

Updated user interface

My Panel view enables panels to be sorted by date created or modified and ordered alphabetical by panel name.

A heat map is provided in the Panel Table and Panel Wheel views to indicate the amount of signal overlap.

Colors are assigned to each Maxpar suspension panel kit for easier identification in the panel table.
Panel Designer v2.0 overview

Updated user interface

- My Panels
- Panel Table
- Panel Wheel
- Groups
- My Catalogs
- Manage Metals new
- Logout new
My Panels view

Create a new panel

1. Click + to initiate a panel.
2. Give panel a unique name.
3. Select 1 or more target species: Dictates antibody clones available for the panel.
4. Select instrument to dictate channel range and percent overlap matrix as the abundance sensitivities differ for each instrument.
5. Click Create to create the panel.
Request a quote

- The quote request interface is very similar to that of version 1.
- A new feature allows antibodies in a panel kit to be ordered individually.
- Once completed, email the request to orders@fluidigm.com for a quote.

Panel Table

My Panels
Panel Table
Panel Wheel
Groups
My Catalogs
Manage Metals
Logout
New Panel Table features

Advanced Search option
Import Panel additions

Maxpar Direct Immune Profiling Assay and Maxpar Direct Expansion Panel Kits have been added.

Add multiple panels
When you click the Optimize Metals button, a window appears for selection of channels to include.
New features in the Panel Wheel

Tiles show target name as well as metal

The functionality available in the Target Selection slider is similar to that in the Panel Table.
Manage Metals

My Panels
Panel Table
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Manage Metals: Add Metal

Add Metal
Manage Metals: Manage Impurity

Manage Impurity
Summary

Panel Designer v2.0 offers new features and improvements that afford greater ease and functionality when designing mass cytometry panels.

The addition of the Maxpar Direct Immune Profiling Assay and the Maxpar Direct Expansion Panels to Panel Designer v2.0 makes customization of the Maxpar Direct assay even more user-friendly.

The new Manage Metals function allows for panel expansion and design using isotopes beyond those offered by Fluidigm.

Fluidigm Field Applications Specialists are always available to assist with panel design.

Thank you.

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