

### Introducing MasterPlex QT v4.0

Software for analyzing large volumes of quantitative data generated by Luminex®/BioPlex® xMAP® instruments.

#### What's New in v4.0?

##### New and Improved Curve Fitting

- "Best Fit" feature automatically selects the optimal model equation and weighting algorithm
- On the fly recalculations for easy outlier exclusion

##### Brand New Report Generator

- Spreadsheet style pivot charts
- Drag and drop to create your own custom report

##### Completely Redesigned Tabbed UI

- Simple left to right workflow
- Context related items grouped in tabs

##### Brand New Graphing Engine

- Create customized publication quality charts and graphs with a few clicks

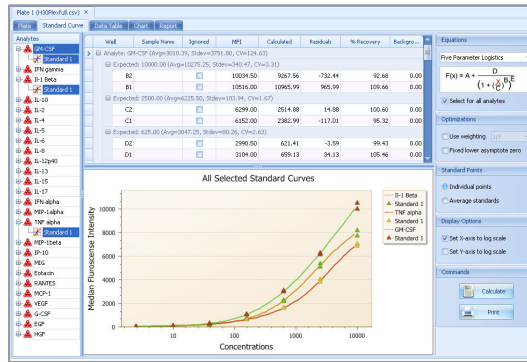
##### Redesigned Plate View

- Display multiple data points per well
- View statistical data for replicate groups at a glance

##### Expand Your Assays

Expand beyond instrument or assay limitations with the virtual plate, combining data from two or more real plates to:

- Increase the "plex" of your experiment
- Monitor standards over time
- Quantitate samples on one plate using standards from another plate



	1	2	3	4	5	6	7	8	9	10	11	12
A	41.00	39.00	37.00	112.00	92.00	2426.50	43.00	36.00	48.00	80.00	42.00	40.00
B	10516.00	10034.50	66.00	4911.00	106.50	186.00	41.00	38.00	45.50	55.00	41.00	39.00
C	6152.00	6299.00	39.00	5011.00	65.00	43.00	39.00	52.00	40.00	45.00	33.00	37.00
D	3104.00	2990.50	41.00	5591.00	369.50	113.00	38.00	44.00	40.00	42.00	35.00	40.00
E	10490.00	10949.00	45.00	3079.00	1808.00	270.00	49.00	40.00	36.00	47.00	38.00	45.50
F	270.00	300.00	39.00	1129.00	119.00	41.00	42.00	40.00	37.00	49.00	52.00	40.00
G	190.00	259.00	207.00	182.00	231.00	210.00	199.00	222.00	191.00	227.00	211.00	199.00
H	56.00	55.00	51.00	5578.00	59.00	50.00	38.00	37.00	128.50	39.00	40.00	35.00

Real Plate 1

	1	2	3	4	5	6	7	8	9	10
A	41.00	39.00	37.00	112.00	92.00	2426.50	43.00	36.00	48.00	80.00
B	10516.00	10034.50	66.00	4911.00	106.50	186.00	41.00	38.00	45.50	55.00
C	6152.00	6299.00	39.00	5011.00	65.00	43.00	39.00	52.00	40.00	45.00
D	3104.00	2990.50	41.00	5591.00	369.50	113.00	38.00	44.00	40.00	42.00

Virtual Plate



#### Why MasterPlex?

Software is the interface to your experimental results and, more than anything else, sets different instrument systems apart.

Hitachi Software is the only software company focused on the xMAP platform.

MasterPlex protects your investment in an xMAP instrument beyond your current assay needs. It is regularly updated to support a growing variety of application areas, including chemokine cytokine quantitation, regression analysis, and miRNA and gene expression profiling.

#### Save time importing and setting up your analyses

Import and parse data from any xMAP based multiplex system. Save time with templates that remember how your samples are arranged on your plates. Mark wells as background, control, standard or unknown. Group replicates with a simple click-and-drag of the mouse.

#### Make sense of large volumes of data

Make sense of large volumes of data with an intuitive interface that replicates the layout of your plates and helps you navigate through each analyte's "layer" of data. View average, standard deviation and CV% for MFI values directly in the plate view without having to run a report.



# HITACHI

Inspire the Next

## MasterPlex®: Make Your Discovery

### Calculate

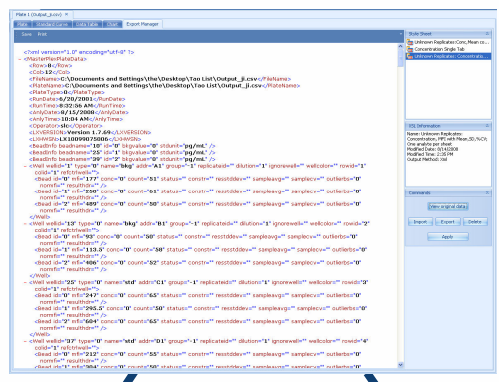
Save time processing data with built-in algorithms that:

- Generate standard curves for absolute quantitation using multiple curve-fitting algorithms including 4PL and 5PL and one of 5 weighting algorithms.
- Automatically detect outliers based on standard deviation within replicate groups, absolute thresholds for MFI, bead count or concentration.
- Analyze data from any of the ever-expanding menu of commercially available or in-house developed multiplex assay kits.

Bead Name	MFI	Count	MFI Average	Outlier
Group Name: Unknown 15				
C11	29.50	150	37.50	
C12	34.00	149	37.50	
Group Name: Unknown 38				
H7	29.50	150	37.50	
H8	34.00	150	37.50	
Group Name: Background 1				
A1	35.00	150	40.00	
A2	36.00	150	40.00	
Group Name: Unknown 10				
B11	33.50	203	40.00	
B12	36.00	149	40.00	
Group Name: Unknown 19				
D9	35.50	141	41.00	
D10	33.00	149	41.00	
Group Name: Unknown 25				

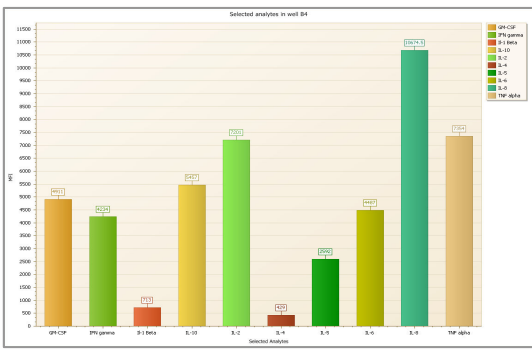
### Publish and Export

Publish charts and custom reports in any format using highly customizable XSL templates, for easy integration with downstream databases or LIMS.



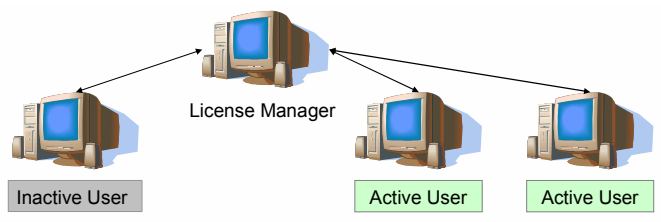
### Analyze and Interpret

Analyze and interpret data visually with a variety of charts that clearly reveal which data points to examine more closely or how well a standard curve fits the data points.



### Share Licenses

Network licensing lets you install MasterPlex on as many computers as you need while only paying for software that you actually use.



Visit [www.miraibio.com](http://www.miraibio.com) to learn more.

Flash demos and free, fully functional software trials are available.

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