

## FL8 Release Notes

### FlowLogic

- Multi-window view

### QCLogic

- Screen metadata elements between multiple files and report of any differences:
  - In compensation
  - Voltages
  - Recorded range
- Assess flow rate and extract user-defined acceptable events
- Assess fluorescence signal over time of acquisition and extract user-defined acceptable events

### ClusterLogic

- Unsupervised clustering algorithm on user-defined parameters and events
  - Filter resulting clusters by cell count or cluster ID
  - Colour clusters on the full dataset dot plot
  - View fluorescence information for each cluster in every parameter
- Auto-phenotyping of clusters based on auto-ranked markers
  - FMOs can be used to automatically define the fluorescence value for positive marker expression
- Auto-gate validation – a gating hierarchy is automatically generated for a cluster in order to validate the population
  - Auto-gating can be completely automatic, based on ranked positive marker expression, or a combination of user-defined parameter combinations (to achieve singlets, viable gates, etc.) and auto determination of parameter combination
- Cluster fluorescence profiles can be saved as a 'fingerprint' and used to search for similar clusters within the same file or across many files

### GateLogic

- Load MACSQuantify gates for MQD files
- Dot plot display update:
  - Log2, Log3, Log4, Log5 views to match MACSQuantify
  - Set the number of events to be displayed on a dot plot
- Export histogram x, y data

## GraphLogic

- EC50/IC50 regression and drug discovery module:
  - Display IC50 and EC50 on the same graph
  - Display values and EC50 on the graph
  - Different percentages, e.g. EC20, EC80
  - Link “most potent” regression to the files in GateLogic
  - GraphLogic – weighting of data points for regression analysis
- Additions to axis formatting
  - Additional decades for the log axis
  - Range setting and intervals
  - Adjusting ticks
  - Scientific notation

## DocLogic

- One tube per page
- Page Settings
- Clone page and clone doc in DocLogic
- Drag and drop to reorder pages
- Select and deselect one item at a time on the page
- DocLogic - zoom page feature – can input percentage value

## Other Improvements

- Fixed bug for adjusting the axis range when LogScaled is set
- Better display for decimal places e.g. in compensation matrix
- GraphLogic
  - save open graphs for reloading experiments
  - copy/paste transpose to different workspaces is now possible
  - can now copy and paste formulae where a constant operation is performed on a selected data linked cell
  - can now select a graph and the contributing linked Table Folder and data in the spreadsheet will be highlight
- Plates in DocLogic – centred column titles
- DocLogic bugs:
  - can use arrows to scroll up and down through the page preview and the page updates accordingly
  - page preview updates correctly when a report is automatically generated
  - keyword text box can now be deleted using the keyboard