Quick Start Guide: IDEAS Analysis

IDEAS Analysis and Data Management

Opening Data Files

There are three types of image file: Raw Image File (.rif), Compensated Image File (.cif), and Data Analysis File (.daf). FCS files can be analyzed in IDEAS or third party analysis software and will contain the feature data without the images.

Opening files using the Start Analysis

1. Launch **IDEAS.**
2. Click **Start Analysis,** and browse for the appropriate **data file**. If you choose a .cif, skip to step 4. If you choose a .daf, skip to step 6. Data can also be opened by selecting file and then open.
3. Browse for an existing **compensation** matrix (.ctm) or create a new one by clicking **New Matrix** and follow the steps outlined in the compensation QS guide 2.
4. Select an analysis **template** (.ast file) or a .daf with the analysis you wish to apply. If no template is chosen the default template will be used.
5. Use the default **names** for files to be created, edit only as needed.
6. Select the active channels used in the experiment, and the **Image Gallery Display** properties will be applied to the images.
7. Select the appropriate **wizard** for your application and follow the steps to completion. FlowSight Basic will only have the begin analysis option.
8. To begin a free form analysis use the **histogram** and **dot plot** icons in the tool bar, or select **Guided analysis** and choose a building block.
9. When the analysis is complete **save** the data analysis file (.daf) and analysis temple (.ast) using the options in the file drop down list. This analysis can be applied to any data file following the steps above.
10. To **batch process** additional files, select tools/ batch data files and refer to the Batching QS guide 3.
11. To **report** the data, right click plots or images, and chose copy to clipboard. You can then paste the data into any third party reporting software.

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File Management Procedures

To save an analysis template file:

1. From the File drop down option, Select **Save As Template File (.ast)**.
2. Enter the **name** of the analysis template to save.
3. Click **Save**.

To merge Raw Image Files:

1. From the **Tools** menu, select **Merge .rif Files**. The Merge .rif Files screen appears.
2. Click **Add Files**, and Ctrl-select the .rif files to merge.
3. Click **OK** and name the file with a unique file name.
4. Click **Save**.

To create a new data file from populations:

1. From the **Tools** menu, select **Create Data File from Population**.
2. Check the **Raw Image File (.rif)** box to create a .rif file and click the browse button to select a name. Check the **Compensated Image File (.cif)** box to create a .cif.
3. Check the desired populations in the **Select population** list, and hit OK.

To Export Image and Feature Data:

1. Under the **Tools** menu, select the type and format of the data to export.
2. To export **Feature data**, select export features.
3. Select the population and feature to export.
4. Chose the format and population of data to export (ie. **FCS**), and press OK.

File Structure Overview