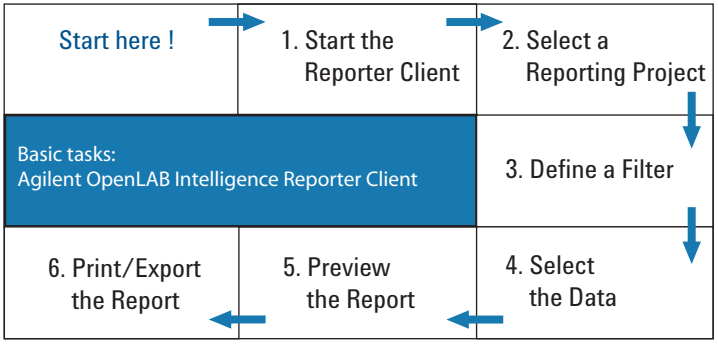
How to Work With the Agilent OpenLAB Intelligence Reporter Client

These how-to cards contain descriptions of the basic tasks in the Agilent OpenLAB Intelligence Reporter Client.

Overview

The workflow below shows the steps to generate a report based on a specific report template.



Agilent Technologies

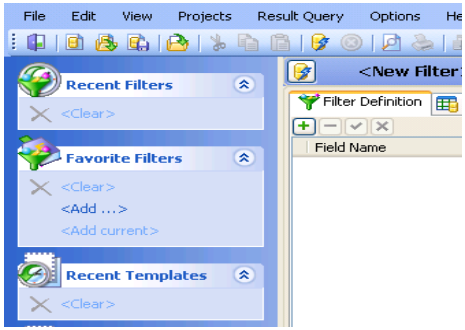
1. Start the Agilent OpenLAB Intelligence Reporter Client

The Agilent OpenLAB Intelligence Reporter Client has been installed locally on your PC. Your PC needs to be able to connect to ECM in order to get the data from the reporting database.

The program icon is usually placed on the desktop of your PC.

To start the Reporter Client

1. Double-click the program icon  , or click **Start > All Programs > Agilent Technologies > OpenLAB > Intelligence Reporter Client**.
   - An ECM Login dialog appears.
2. Provide your login credentials.
3. Click **Login**. The program is now ready (see figure to the right).



2. Select a Reporting Project

All reporting data is logically grouped into projects. In the Reporter Client, you can choose from all projects for which you have read access in OpenLAB ECM. To configure reporting projects, see *Agilent G4635-90002 OpenLAB Intelligence Reporter Installation and Configuration Guide*.

The results shown in the Reporter Client are always limited to the selected project.

To select a reporting project

- In the **Projects** menu, select the project you want to work with.

CAUTION

Selecting the option **(All Projects)** may result in very long query times!

3. Define a Filter

Filters are used to get the desired data from the report database. Only data that passes the filter is available for the report. To make a more detailed data selection, see "Preview Report" on page 7.

Filter Definition **All of the following actions take place in the Filter Definition tab.**

To open an existing filter

1 Select **File > Open Filter ...**

Alternatively, you can click .

2 Select the desired **.sfd* file.

3 Click **Open**.

To create or modify a filter

1 Click to add a new filter definition line.

2 Select a field name.

3 Define a filter condition (field name + condition + value).

See the example below, which finds the sequence with the name *LIR-2007-1-2007-02-27_13-43-28*

4 Click to confirm the filter definition line.

To save a filter

1 Select **File > Save Filter As ...** to save your filter into ECM.

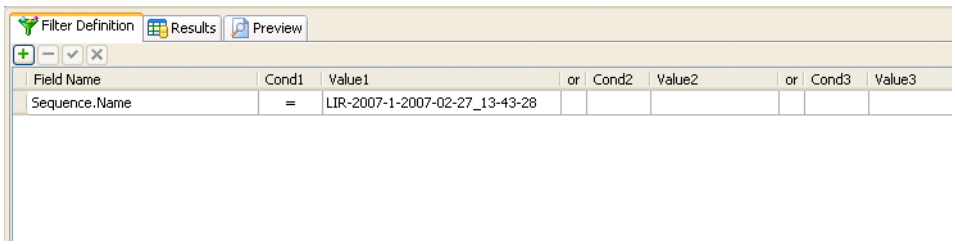
To add the current filter to the favorites

1 Save the filter into ECM.

2 Click **<Add Current ...>** in the **Favorite Filters** shortcut pane to the left.

To apply a filter

1 Click to read the matching data from the reporting database.



3a. Filter Example (Basic)

Sometimes it is necessary to filter for more than one field. The example below contains three conditions for three different database fields.

Filter Definition **All of the following actions take place in the Filter Definition tab.**

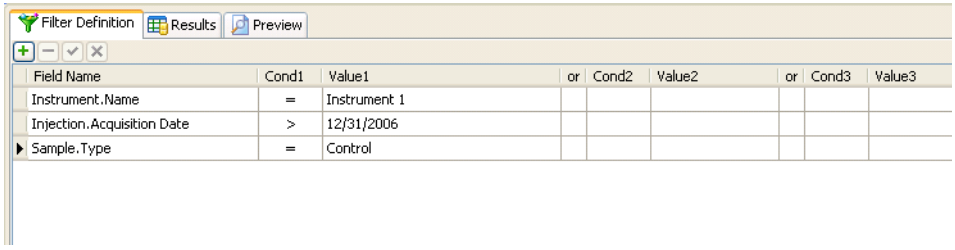
Conditions linked by AND

1 Define each condition in a separate line.

2 Put the conditions underneath each other in the same column.

NOTE

Conditions in the same column are linked by AND. In the example below, the filter selects only injections for control samples which have been run on Instrument 1 after Dec. 31, 2006.



Field Name	Cond1	Value1	or	Cond2	Value2	or	Cond3	Value3
Instrument.Name	=	Instrument 1						
Injection.Acquisition Date	>	12/31/2006						
Sample.Type	=	Control						

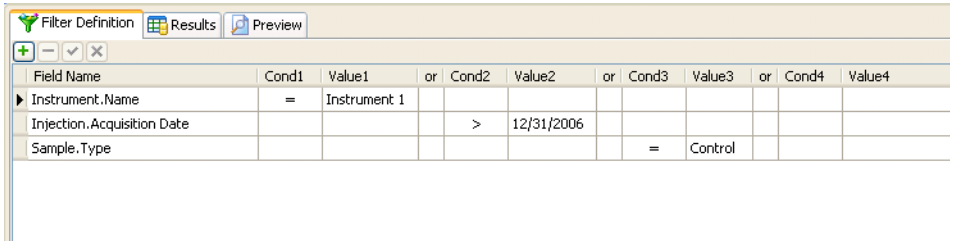
Conditions linked by OR

1 Define each condition in a separate line.

2 Put the conditions in different columns.

NOTE

Conditions in different columns are linked by OR. In the example below, the filter selects all injections that were either control samples, or have been run on Instrument 1, or have been run after Dec. 31, 2006.



Field Name	Cond1	Value1	or	Cond2	Value2	or	Cond3	Value3	or	Cond4	Value4
Instrument.Name	=	Instrument 1									
Injection.Acquisition Date				>	12/31/2006						
Sample.Type							=	Control			

3b. Filter Example (Advanced)

You might need to create even more complex filters, where conditions are linked by a combination of AND and OR. The example below shows you how to do this.

Filter Definition **All of the following actions take place in the Filter Definition tab.**

Conditions linked by AND and OR

1 Define the conditions for each database field.

If the database field can have different values, put the alternative conditions in different columns in the same line.

You can use wild cards in the **Value** fields (see example below):

? matches any single character

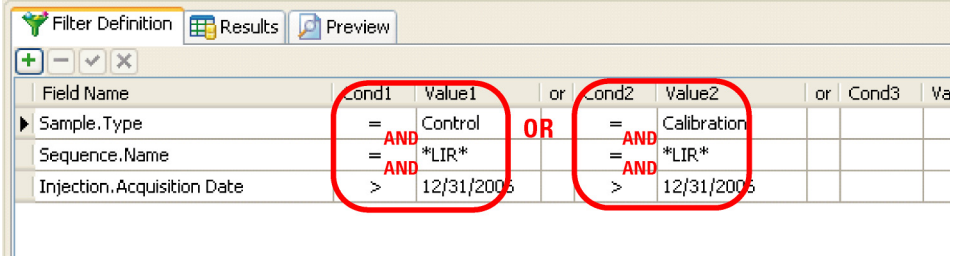
* matches any number of adjacent characters

2 Repeat the mandatory conditions in all columns that have been previously used for the alternative conditions.

NOTE

All conditions in the Cond1/Value1 column will be linked by AND, as will the conditions in Cond2/Value2, etc. The columns themselves will be linked by OR.

In the example below, the filter selects all injections for calibration standards and control samples after Dec. 31, 2006, which have been run as part of a sequence that has "LIR" in its name.



4. Select the Data

At first all data that matches the filter is shown in the results tab, but you can make a more detailed data selection. Unless the report template deliberately ignores the data selection, only the selected data will be used for the report.
Grouping the data helps you to select the desired data. For example, if you group by the sequence name, you can then easily find and select the complete desired sequence.

Results **All of the following actions take place in the Results tab.**

To sort the records

1 Right-click the column header, then select **Sort Ascending** or **Sort Descending**.

The sorting is indicated by ▲ or ▽.

To group the data

1 Drag the column header to the gray space above the results table.

The results table changes and shows only group headings with the distinct values of the related column.
Clicking on ⊞ in front of the line expands the group.

2 Optional: Repeat this step for other columns.

More subheaders are inserted. The results table is now structured like a tree (see example below).

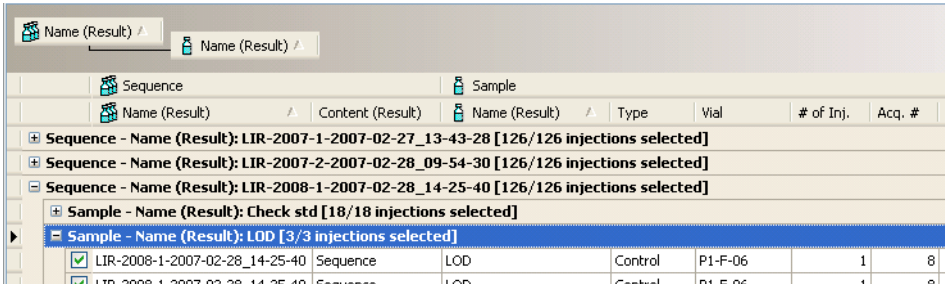
To select/deselect a single record

1 Select/clear the check box in front of the related record.

To select a data group

1 Click the heading or subheading of the desired data group.

2 Press **[Space]** to select or deselect all records in this group.



5. Preview Report

Report templates are stored in ECM. The exact location inside ECM depends on your lab environment and ECM configuration.
The report template displays the selected data in a predefined manner. Some reports may not immediately appear, but will first require you to enter some parameters. Interactive reports can be expanded or collapsed according to your needs.

Preview

All of the following actions take place in the Preview tab.

To apply a report template

1 Select **File > Open Report Template**

Alternatively you can click .

2 Select the desired template and click **Open**.

3 If it is not done automatically, click on the main toolbar to apply the report template to the selected data and generate the report preview.

To enter parameters

1 Enter the necessary parameters at the top of the preview screen (see example below).

2 Click **View Report** to generate the report using these parameters.

To adjust interactive reports

1 Click on the ⊞ or ⊟ icons inside the report to expand or collapse the related data.

To preview the print layout

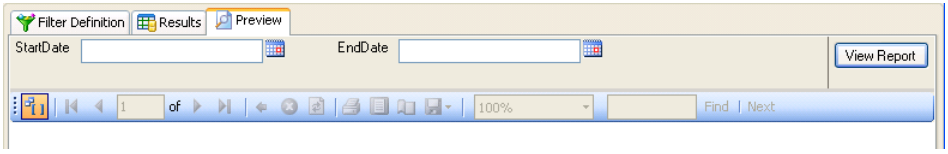
1 Click on the preview toolbar.

The print layout shows exactly what the printed pages will look like, particularly regarding margins and number of pages.

To adjust the page settings

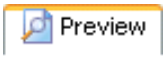
1 Click on the preview toolbar.

A standard Windows page setup dialog appears.



6. Print/Export the Report

You usually need to print the final report as a hardcopy or export it as a PDF file. The exported PDF files should be stored in ECM with the related project.



All of the following actions take place in the Preview tab.
A report has already been generated.

To print a hardcopy

1 Click on the preview toolbar.

Interactive reports are printed with the expanded/collapsed data exactly as it appears in the preview.

To export the report

1 Click on the preview toolbar, then select the required file format.

2 Select the desired location in ECM.

NOTE

The print layout is different from the default report preview!

The final print layout, particularly regarding margins and number of pages, depends on the printer you use in your environment.

See "To preview the print layout" on page 7.

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