

Feature Guide

SCIEX OS Software

Report Studio



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(GEN-IDV-09-10816-E)

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In the SCIEX OS software 5.0 and later, the Report Studio can be used to create and customize report templates that meet the requirements of different laboratories and applications directly in the SCIEX OS software. This new reporting platform supplies a more intuitive and user-friendly experience, with a visual, drag-and-drop interface and configurable layouts, tables, fields, images, headers, footers, filters, expressions, and conditional formatting. Access to the Report Studio is available from the Analytics workspace.

The Report Studio does not replace the reporting functionality that is available in earlier versions of the SCIEX OS software. The tools and workflows that were supplied in these versions continue to be available for use. The Report Studio is a different reporting platform that supplies a modernized report creation experience and enhanced flexibility for users who want more control over the format and presentation of their analytical results.

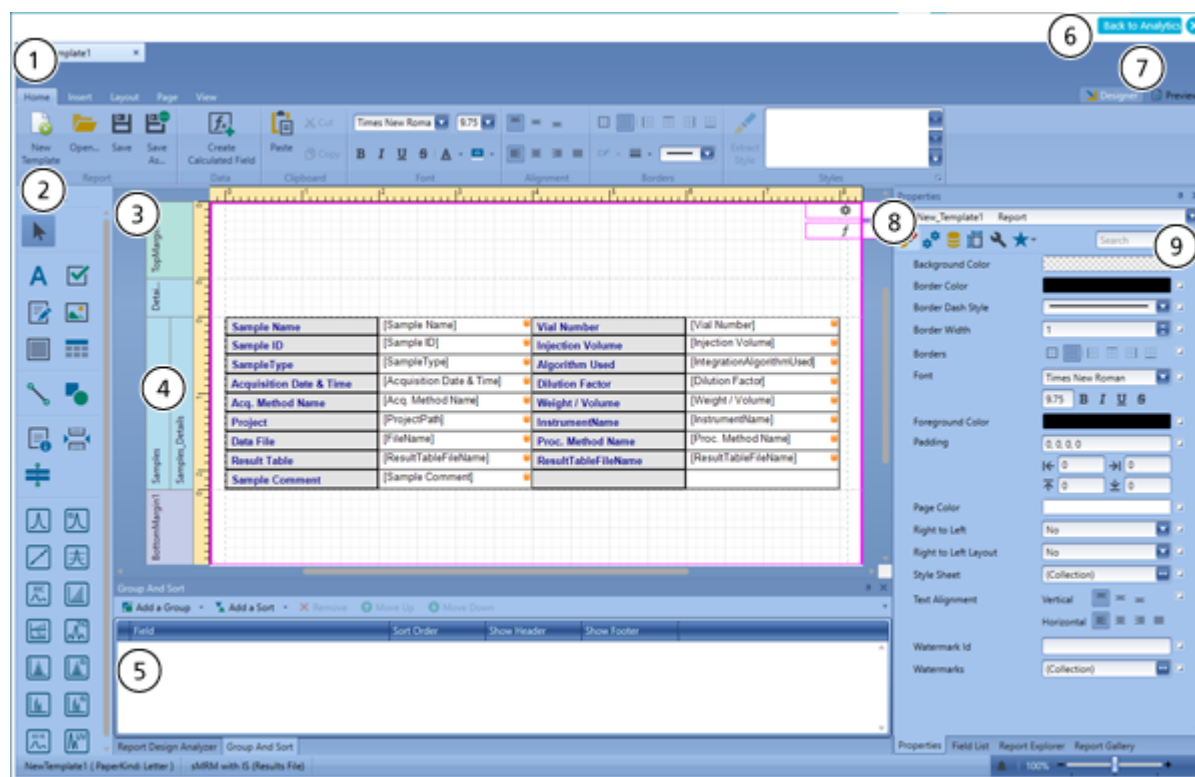
This guide supplies a description of the functions of the Report Studio and instructions for the creation, editing, previewing, and management of report templates in the SCIEX OS software 5.0 and later.

Note: The Report Studio cannot be used to edit the templates that were created with the Reporter software.

Access to this feature is controlled by the role that is assigned to the user. Refer to the document: *Help*.

Introduction

Figure 1-1 Report Studio Window



Item	Description
1	Ribbon tabs: • Home: File management, text formatting, and alignment functions. • Insert: Predefined items to add to the report template, for example, different types of tables and gallery items. • Layout: Tools to edit the table layout. • Page: Tools to control the page layout. • View: Tools to control the appearance of the window and the panels that are shown.
2	Toolbar. Contains the items that can be added to the report template. To add an item to the report template, drag it to the canvas.
3	Canvas. The space where the layout and content of the report template are created.
4	Sections. For a description of the sections that are available, refer to the section: Sections. To select a section, click the section name in this area.

Item	Description
5	Bottom panels: • Group And Sort: Shows the fields that are used to put data into groups and the sort order to be used. • Report Design Analyzer: If applicable, then shows errors and warnings for the report design.
6	Back to Analytics. Click to close the Report Studio and go back to the Analytics workspace.
7	Designer tab. To edit the report template, use this tab. Preview tab. To preview a report that uses the template, use this tab.
8	Settings and font icons. Click  to edit the properties of the selected item.
9	Side panels: • Properties: Shows the properties of the item that is selected on the canvas. Edit the properties as required. • Field List: Shows the fields that can be added to the report. To add a field to the report template, drag it to the canvas. • Report Explorer: Shows a hierarchical overview of the report template, with all of the sections, tables, and fields. • Report Gallery: Shows the available gallery items. To add a gallery item to the report, drag it to the canvas.

Create a Report Template

2

Prerequisites
• In the Analytics workspace, a Results Table is open.

1. Click **Reporting > Open Report Studio**.
2. On the Home ribbon tab, click **New Template**.
The New Template opens.
3. To create a fully new report template, do this:
 - a. Click **Create a new template**.
 - b. Select the structure of the report template:
 - **Per Sample**: The template has an entry for each sample that contains all of the related information and components.
 - **Per Component**: The template has an entry for each component that contains all of the related information and samples.
 - c. Click **Create**.
The canvas is shown with the Designer tab open.
4. To create a new template from a copy of a saved template, do this:
 - a. Select **Make a copy of a template**.
 - b. Select the template to use.
 - c. Click **Create**.

Tip! Type text in the search field to show the templates that contain that text.

Note: For a list of supplied templates, refer to the section: Report Studio Templates .
--

The canvas is shown with the Designer tab open.

5. (Optional) Add or edit sections. Refer to the section: [Sections](#).
6. (Optional) Add or edit tables. Refer to the section: [Tables](#).
7. (Optional) Add or edit fields. Refer to the section: [Fields](#).
8. (Optional) Customize the header or footer. Refer to the section: [Headers and Footers](#).

Note: If the header and footer are not customized, then the report uses the header and footer in the default print template that is configured in the Configuration workspace.

9. To see a preview of the report, do this:
 - a. Open the Preview tab.
 - b. Scroll through the report to make sure that it is satisfactory.
 - c. Open the Designer tab.
10. (Optional) To decrease the time that is required for the preview to be shown, do this:
 - a. Select the data section.
 - b. Click .
 - c. In the **Detail Count at Design Time** field, type the number of records to show in the preview. To show all of the records, type 0.

Note: The printed report will include all of the data.

11. To save the report template, do this:
 - a. Click **Save**.
The Save dialog opens.
 - b. Type a file name.

If a file with the same name is found, then a prompt to overwrite the file is shown.

Note: The default templates cannot be overwritten.

- c. Click **Save**.

Sections control the structure of the report and the repetition of the content. A report template might include the sections that are shown in the table that follows. Some sections occur one time, and others occur multiple times, for each sample or component.

Table 3-1 Section Types

Section	Description
Report Header	Content that is shown at the top of the first page of the report.
Report Footer	Content that is shown between the page footer and the bottom margin on the last page of the report.
Page Header	Content that is shown at the top of each page of the report.
Page Footer	Content that is shown at the bottom of each page of the report.
Group Header	Content that is shown at the top of each group.
Group Footer	Content that is shown at the bottom of each group.
<i>Detail (data bound)</i>	The body of the report. The name of the detail section identifies the data source: • Components Section: Contains an entry for each component with the related samples and sample information. • Samples Section: Contains an entry for each sample with the related components and component information. • StatisticsByConcentration Section: Shows statistics that are calculated for a selected metric and then put into groups by sample concentration. • StatisticsBySampleName Section: Shows statistics that are calculated for a selected metric and then put into groups by sample name.
Empty Section (no data binding)	Sections without related data. They are used to add custom content, for example, text, labels, or images.

Add a Section

1. To create a looped (iterated) section, select the section that will contain the loop.

For example, to create put all of the sample data and sample information for each component in a group, select **Components Section**.

2. On the Insert ribbon tab, in the Section group, click **Add**.
The Add Section dialog opens.
3. Select the type of section to add. For a description of the different section types, refer to the section: [Sections](#).
4. If applicable, then select the location to add the section.
5. Click **OK**.
6. (Optional) Use the Properties panel to change the properties for the section, for example, the section name.

In reports, data is put into tables. The table that follows gives descriptions of the available table types.

Table 4-1 Table Types

Table	Description
Sample Information	A compact table that contains field names and values side by side for a sample, component, or analyte. One instance of the table is included for each sample, component, or analyte. Use this table to show the metadata before the detailed results. Tip! To show a list of samples, use a Results Summary table or put a Sample Information table in a Samples section.
Results Summary	A table that contains one row for each result, with field names in the header and values in the rows. Use this table to show the measurements for a sample or component.
Statistics Table	A table that contains one row of results for each group. The user must select the metric to use to put results into groups. Use this table to show summary statistics (for example, mean, standard deviation, and %RSD), for groups.
Image	A table that contains images (for example, chromatograms and spectra) that are shown in a grid or stacked layout. Use this table to show multiple images on the same page. Note: To add one image to the report template, use the Report Gallery panel.

Add a Table

1. Select the section where the table will be added.
To add a section, refer to the section: [Add a Section](#).
2. On the Insert ribbon tab, in the Table group, click the applicable option:
 - **Sample Information**
 - **Results Summary**

- **Statistics Table**
- **Image**

The related dialog opens.

3. For a Sample Information table, do this:

- a. On the Fields tab, click the + that is adjacent to the fields to include in the table.

Tip! Type text in the search field to show the fields that contain that text.

- b. In the **Number of columns** field, select the number of columns to show in the grid.
Each label and value combination is two columns.
- c. To change the order of the fields, select a field, and then click the up and down arrows to move it.

4. For a Results Summary table, do this:

- a. On the Fields tab, click the + that is adjacent to the fields to include in the table.

Tip! Type text in the search field to show the fields that contain that text.

- b. To change the order of the fields, select a field, and then click the up and down arrows to move it.

5. For a Statistics table, do this:

- a. In the **Group by** field, select the grouping option to use to calculate statistics:
 - **Concentration:** Put replicate samples with the same concentration value in the same group.
 - **Sample Name:** Put replicate samples with the same sample name in the same group.
- b. In the **Metric Type** field, select the metric to use to calculate the statistics.

Note: Different metrics are available for different grouping options.

- c. On the Fields tab, click the + that is adjacent to the fields to include in the table.

Tip! Type text in the search field to show the fields that contain that text.

Note: Different fields are available for different grouping options. If the grouping option is changed, then fields might be removed from the report template.

- d. To change the order of the fields, select a field, and then click the up and down arrows to move it.

6. For an image, do this:

Tables

- a. On the Graph tab, click the **+** that is adjacent to the graphs to include in the report.

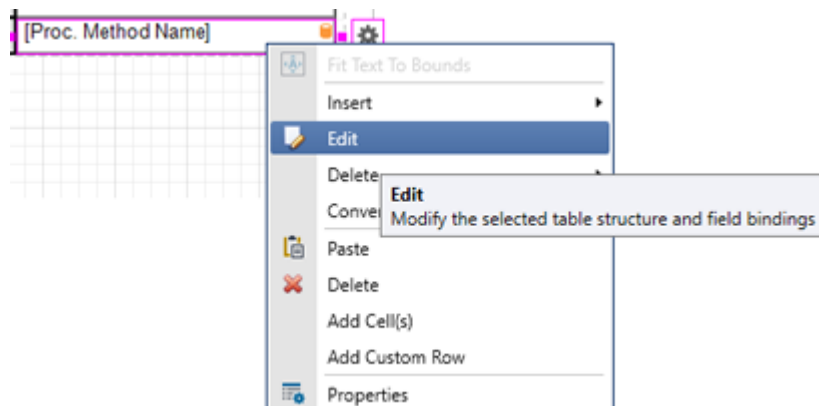
Tip! Type text in the search field to show the graph names that contain that text.

- b. For each graph, set the **Width (px)**, **Height (px)**, **Border color**, and **Border width (px)**.
 - c. To add a field, open the Fields tab, and then click the **+** that is adjacent to the fields to add.
 - d. To add a field, open the Fields tab, and then click the **+** that is adjacent to the fields to add.
 - e. In the **Number of columns** field, select the number of columns to show in the report.
 - f. To change the location of a graph or field, drag it to a different location.
7. To change the name that will be shown for a field in the report, click the label cell, and then type the new name.
 8. To change the properties for the field labels and values, open the Properties tab, and then edit the values. Refer to the section: [Properties Tab](#).
 9. (Optional) Add conditional formatting. Refer to the section: [Add Conditional Formatting](#).
 10. (Optional) Create an expression. Refer to the section: [Create an Expression](#).
 11. (Optional) To select the samples, components, or other data to include in the report, add a filter. Refer to the section: [Create a Filter](#).
 12. To adjust the size of the table, drag the resize handle until the table is the correct size.
 13. Click **Add**.

Edit a Table

Tip! As an alternative to this procedure, the context menu can be used to edit a table. Refer to the section: [Context Menu](#).

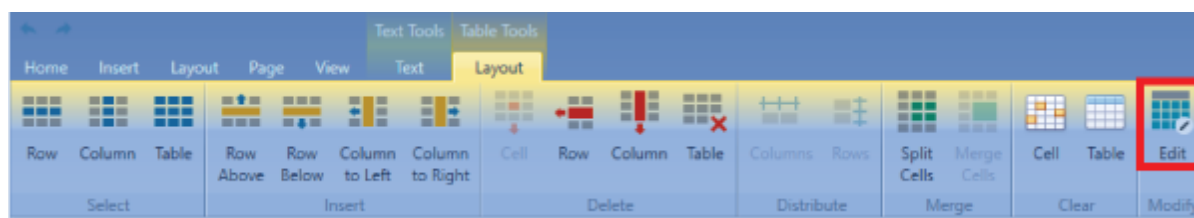
Figure 4-1 Edit Command



Use this procedure to do these tasks:

- Add or remove fields.
 - Change the appearance (font and color) of field labels and values.
 - Change the order of fields.
 - Change the field label.
 - Add a filter.
1. Click a cell in the table to edit.
 2. Click **Table Tools**.
 3. On the Layout ribbon tab, in the Modify group, click **Edit**.

Figure 4-2 Layout Tab: Edit Command



The table editor opens.

Tables

4. Make the required changes. Refer to the section: [Table Tabs](#).
5. Click **Update**.

Create a Filter

Use filters to select the samples to show in the report. For example, show only samples with the type Standard.

Tip! Create complex filters one step at a time. After each step, look at the preview to make sure that the results are satisfactory.

1. Open the Filter tab.
2. To create the filter condition, add fields, operators, and constants.
3. Click **Add**.

Tip! Logical operators (**And** and **Or**) can be used to add multiple conditions together.

Example: High Concentration

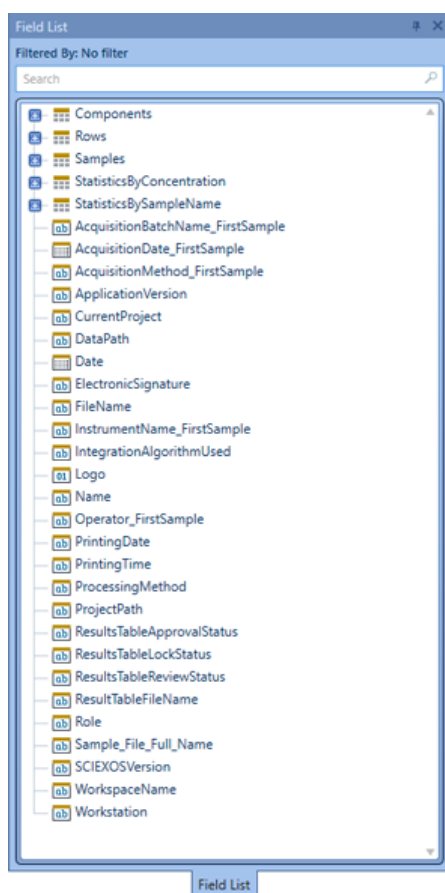
To add a filter that shows only samples with an **Actual Concentration** that is more than or equal to 100, do this:

1. Click **Field Value**, select the **Actual Concentration** field, and then click **Add**.
2. In the **Operator** field, select **is greater than**, and then click **Add**.
3. Click **Constant**, type 100, and then click **Add**.

Fields can be put on the canvas or in tables. Fields are available on the Field List panel. To show the Field List panel, on the View ribbon tab, click **Window > Field List**.

Tip! Fields can also be selected on the Fields tab when a table is added or edited. Refer to the section: [Add a Table](#).

Figure 5-1 Field List Panel



Add a Field

1. Open the Field List panel.

Fields

Tip! Click **View > Windows > Field List**.

2. Browse to the field to add.

Tip! Type text in the search field to show the fields that contain that text.

3. Drag the field to the canvas.

Fields can be dragged to a section, table cell, or field.

Note: If the field is dragged to a field on the canvas, then the user can select to replace the field on the canvas or add a new field.

4. To change the precision of the field value, do this:
 - a. Click the value to change.
 - b. Click .
 - c. Click  that is adjacent to **Format String** field.
 - d. Select the category and format of the field value.
 - e. Click **OK**.

Create an Expression

Use an expression to do manipulation of fields. For example, calculate a ratio or show the results of a comparison.

Tip! Expressions can be created on the Fields tab when a table is added or edited. Refer to the section: [Add a Table](#). Expressions can also be created from the Table Cell Tasks dialog.

Tip! Create complex expressions one step at a time. After each step, look at the preview to make sure that the results are satisfactory.

1. To open the Edit Expression dialog, do one of these steps:
 - On the Field tab in the table editor, click  (**Edit the contents of a field or table cell**) that is adjacent to the field to change.
 - Select the field to change, and then click **Insert > Edit Expression**.

Tip! As an alternative, select the field to change, click , and then click  that is adjacent to the **Expressions** field.

2. To create the expression, add fields, operators, and constants.
3. Click **Add**.

Example

To create an expression that concatenates the **Sample Name** and **Component Name** fields to show S-001 / Glucose, do this:

1. Click **Field Value**, select the **Sample Name** field, and then click **Add**.
2. In the **Operator** field, select **+**, and then click **Add**.
3. Click **Constant**, type **/**, and then click **Add**.
4. In the **Operator** field, select **+**, and then click **Add**.
5. Click **Field Value**, select the **Component Name** field, and then click **Add**.

Add Conditional Formatting

Use conditional formatting to control the appearance of fields in specified conditions. For example, conditional formatting can be used to show **FAIL** in white text on a red background when the difference between the actual molecular weight and expected molecular weight is more than 0.5.

Conditional formatting can change the text color, font, and alignment, the background color of a cell, and if the cell is shown. A rule can change more than one property.

Tip! Use the **Visibility** option to hide unconfirmed results but keep the data in the report.

Tip! Create complex conditions one step at a time. After each step, look at the preview to make sure that the results are satisfactory.

1. To open the Conditional Formatting dialog, do one of these steps:
 - On the Field tab in the table editor, click  (**Configure conditional formatting**) that is adjacent to the field to change.
 - Select the field to change, and then click **Insert > Conditional Formatting**.
2. In the When to Change section, add fields, operators, and constants to create the condition.
3. In the What to Change section, select the item to change, and then set the properties for when the condition is met and not met.

For example, select **Text Color**, and then set it to green for when the condition is met and red for when it is not met.

Fields

Note: For clarity, always configure the settings for **Conditions Met** and **Conditions Not Met**.

4. If applicable, then select the **Apply to full row** check box to use the formatting for the full row.
5. (Optional) To add more conditions, click **Add another Condition**, and then do step 2 and step 3 again.

Note: A maximum of three conditions can be added.

To change a condition, click it in the Raw Formula Preview section.

To delete a condition, click the ✕ that is adjacent to the condition.

6. Click **Apply**.

Example

To add conditional formatting that shows **HIGH** when **Actual Concentration** is more than 100, and **OK** when it is not, do this:

1. In the When to Change section, do this:
 - a. Click **Field Value**, select the **Actual Concentration** field, and then click **Add**.
 - b. In the **Operator** field, select **is greater than**, and then click **Add**.
 - c. Click **Constant**, type 100, and then click **Add**.
2. In the What to Change section, do this:
 - a. In the **New Item** list, select **Display Content**.
 - b. In the **Building for** field, select **Conditions Met**.
 - c. Click **Constant**, type **HIGH**, and then click **Add**.
 - d. In the **Building for** field, select **Conditions Not Met**.
 - e. Click **Constant**, type **OK**, and then click **Add**.

The Report Gallery supplies predefined tables and images to make template creation easier.

Add a Gallery Item

1. Click **Insert > Gallery Items**.
The Report Gallery dialog opens.
2. Browse to and then select the gallery item to add.

Tip! Type text in the search field to show the gallery items that contain that text.

3. Click **Insert**.

Tip! Use the zoom controls to examine the gallery item before it is added to the report template.

By default, reports use the header and footer in the default print template that is configured in the Configuration workspace. To override this header and footer, configure a header and footer for the report template.

Add a Header or Footer

1. Click **Insert > Header and Footer**.
2. To add a field to the header or footer, select a cell in the Template Configuration section. In the Fields list, select the field to move to that cell, and then click  **(Move Right)**.

Tip! To remove a field from a cell, select the cell, and then click  **(Move Left)**.

3. In the Options section, configure the properties for the field.

Tip! To use the properties for all of the fields in the template, click **Apply to all text fields**.

4. Click **Apply**.

Context Menu

A

Different commands are available on the context menu when a table, row, or cell is selected.

Table A-1 Context Menu Commands

Command	Description
Insert	Add a row, column, or cell: • Row Above • Row Below • Column To Left • Column To Right • Cell Note: This command is available when a cell or row is selected.
Edit	Edit the table. Use this command to change the fields in the table, properties of the fields, and filter.
Fit Text To Bounds	Adjust the font size to fill the cell. Note: This command is available when a label is selected.
Fit Bounds To Text	Adjust the size of the cell to the size of the text. Note: This command is available when a label is selected.
Convert To Table	Converts two or more selected labels to table format. Users can edit the fields with the table wizard.
Convert To Labels	Converts the selected table to labels. Users can edit the different labels independently, for example, use different font styles for different labels.
Cut	Put a copy of the selected item on the clipboard and delete it from the canvas.
Copy	Put a copy of the selected item on the clipboard.
Paste	Paste the contents of the clipboard on the canvas.

Context Menu

Table A-1 Context Menu Commands (continued)

Command	Description
Delete	Delete the selected item from the canvas. When a row is selected, these options are available: • Row • Column • Cell
Add Cell(s)	Adds a new column to the right of the table.
Add to Gallery	Add the selected item to the gallery for use in other report templates.
Add Custom Row	Add an empty row to the table.
Properties	Open the Properties panel for the selected item.

Table Tabs

B

Field Tab

Table B-1 Field Tab Controls

Control	Description
Field	To add a field to the report template, click the + that is adjacent to the field name.
Number of columns	Select the number of columns to include in the table. Note: This field is applicable to the Sample Information and Image tables only.
 (Move up) and  (Move down)	Move the field up or down in the list. Note: This field is not applicable to the Image table.
 (Edit the contents of a field or table cell)	Create an expression (calculated value) to show in the selected field.
 (Configure conditional formatting)	Configure the formatting to use in specified conditions. For example, use a background color of yellow for the value cell if the Difference from Average Sample Time is more than 0.1.

Properties Tab

Note: Different properties can be set for the field labels and values. Use the controls on the Home ribbon tab to override these settings for specified field labels and values.

Table B-2 Properties Tab Controls

Control	Description
Background	The background color for all of the labels or values. Use the color picker, or type the hex color code.

Table Tabs

Table B-2 Properties Tab Controls (continued)

Control	Description
Text color	The color for all of the label or value text. Use the color picker, or type the hex color code.
Justification	The justification of the label or value text.
Font size (px)	The font size for all of the label or value text.
Width (px)	The width of all of the label or value cells, in pixels.
Font style	The font style for all of the label or value text. These font styles are available: bold, italic, underline, and strike-through.
Font	The font for all of the label or value text.
Border color	The border color for all of the label or value cells.
Border width (px)	The border width for all of the label or value cells.
Height (px)	The height of all of the label or value cells.
Borders	The borders to include for all of the label or value cells. These options are available: none, left side only, top only, right side only, bottom only, and all sides.
Border style	The border style to use for all of the label or value cells. These options are available: solid, dashed, dotted, dashed with dots, dashed with two dots, and double.
Padding (px)	The quantity of space to include between the text and the edge of the cell on each side of the label or value cells.

Filter Tab

Table B-3 Filter Tab Controls

Control	Description
Value	Select one of these options: • Field Value: Add a field to the filter condition. Select this option, select the field from the list, and then click Add. For example, for the condition Retention Time Delta (min) > 1, use this option to add Retention Time Delta (min) to the filter condition. Tip! Type text in the field to show the fields that contain the text.

Table B-3 Filter Tab Controls (continued)

Control	Description
	• Constant: Add a constant value to the filter condition. Select this option, type the constant value, and then click Add. For example, use this option to add the constant 1 to the filter condition.
Operator	Add an arithmetic or a comparison operator to the filter condition. Select the operator to add, and then click Add . For example, use this option to add the is greater than operator.
Logical	Add a logical (Boolean) operator to the filter condition: • And: All of the conditions must be met. • Or: A minimum of one of the conditions must be met.
Clear All	Remove the filter condition.
Clear Filter	Remove the filter condition.

Report Studio Templates

C

It is the responsibility of the user to validate the custom report template.

Note: The default templates cannot be changed.

Table C-1 Default Templates

Template	Template Description
All Peaks Qual	For each sample, shows acquisition details, an overlaid XIC of all of the analytes, a per-component summary of qualitative confidence flags (mass error, fragment mass error, retention time, isotope, library, formula, and ion ratio), and the WYSIWYG Results Table. Does not include internal standards.
Analyte summary	For each component, shows a Results Summary section with component and internal standard names and a table with these columns: Sample Name , Calculated Concentration , and outlier (Pass/Fail).
Calibration Curve	Shows the file information, a Standards statistics table, and the calibration curve for each component. One component is shown on each page.
Intact Quant All Peaks and Graphs	For each sample, shows the Results Table entries. All of the columns that are shown in the Results Table are shown in the report. The report also includes the XIC, average spectrum, and reconstruction spectrum for each sample that is not an internal standard and each component.
Intact Quant Analyte Summary and Calibration Curve	Shows the Results Table entries, calibration curve, and statistics data for each component. The Results Table includes these columns: Sample Name , Sample Type , Component Name , Actual Concentration , Area , Height , expected MW, MW , MW delta, Calculated Concentration , and Accuracy .
Intact Quant Sample Summary	Shows the Results Table entries for all of the samples. The Results Table includes these columns: Sample Name , Sample Type , Component Name , Actual Concentration , Area , Height , expected MW, MW , MW delta, Calculated Concentration , Accuracy , and Accuracy Acceptance .
MQ Analyte Report 1	For each component, shows the file information, a sample Results Table, and an XIC table for each sample. For less than eight samples, typically prints two pages for each component.

Table C-1 Default Templates (continued)

Template	Template Description
MQ Analyte Report 2	For each component, shows the file information and an XIC table for each unknown sample. For less than eight samples, typically prints two pages for each component.
MQ Analyte Report 3	For each component, shows the file information and an Unknown Samples Summary Table.
MQ Analyte Report condensed table	For each component, shows the file information and a condensed Results Summary Table of Calculated Concentration and Retention Time for each unknown sample.
MQ Analyte Report with chromatograms	For each component, shows the file information, a Results Table, and a small chromatogram for each unknown sample.
MQ Blank Template	Shows a blank report template with no predefined content, used as a point to start for a custom report.
MQ Pep Quant	An example report for the data that is supplied for the Peptide Quantitation tutorial for the MultiQuant software. Includes sample and component summaries, calibration curves with equations, QC accuracy pass and fail results, and a quality-filtering section with chromatograms for low-quality peaks.
MQ QC Summary 1 with flags	Shows the file information, a QC Summary Table for each component (values with a CV that is more than 20% are highlighted) and QC Detailed Results Table (values with an accuracy that is not in the range of 80% to 120% are highlighted).
MQ Sample Report 1	For each sample, shows the file information, sample information, internal standard information, component Results Table, and an XIC table for the internal standards and each component. For less than eight analytes, typically prints two pages for each sample.
MQ Sample Report 2	For each unknown sample, shows the file information, a TIC, the sample details, an component XIC, and a Results Table. For less than eight analytes, typically prints two pages for each sample.
MQ Sample Report 3	For each unknown sample, shows the file information, the sample information, and a Results Summary Table.
MQ Sample Report condensed table	For each unknown sample, shows the file information, the sample information, and a condensed Results Summary Table that includes calculated concentration and retention time for each component.
MQ Sample Report with chromatograms	For each unknown sample, shows the file information, the sample information, an component Results Table, and a small chromatogram for each component.

Table C-1 Default Templates (continued)

Template	Template Description
MQ Sample Report with MRM ratios 2	For each unknown sample, shows the file information, the sample information, a Results Summary Table, peak review images, and an overlay of all of the XICs. The calculated concentration is shown for quantifier ions. The calculated and expected ion ratios are shown as percentages for ratio (qualifier) ions. Available standards are used to automatically calculate expected ion ratios. For each ion ratio, a traffic-light indicator shows if it is in the configured ion-ratio tolerance.
MQ Sample Report with MRM ratios	For each unknown sample, shows the file information, the sample information, a Results Summary Table, and peak review images. The calculated concentration is shown for quantifier ions. The calculated and expected ion ratios are shown for ratio (qualifier) ions. Available standards are used to automatically calculate expected ion ratios. A traffic-light indicator shows if each ion ratio is in the configured ion-ratio tolerance.
MQ Sample Report with standards, QC, and blanks	For each unknown sample, shows the file information, the sample information, a Results Summary Table, and peak review images. The calculated concentration is shown for quantifier ions. The calculated and expected ion ratios are shown for ratio (qualifier) ions. Available standards are used to automatically calculate expected ion ratios. A traffic-light indicator shows if each ion ratio is in the configured ion-ratio tolerance.
Per Analyte Quant-Qual	For each component, shows the file information, Results Table, calibration curves, and chromatograms for the quantifier, qualifier, and internal standard.
Per sample Quant-Qual with statistics	For each sample, shows a WYSIWYG table, XIC, MS spectra, and MS/MS spectra. A Statistics summary table for Area is included at the end of the report.
Per Sample Quant-Qual	For each sample, shows the file information, the sample information, peak review chromatograms for the component, qualifier, and internal standard, and the component Results Table, followed by calibration curves for the analytes and a summary of statistics for the internal standards.
Positive Hits Qual	For each selected sample, shows the file information, an overlaid XIC of all of the analytes and the internal standard, and an component Results Table for the selected analytes. Then, for each component, it includes the peak review chromatogram, the acquired and theoretical MS spectra, and the acquired and library MS/MS spectra.

Table C-1 Default Templates (continued)

Template	Template Description
Qual CSV report	A report that is formatted as a <code>csv</code> file to be exported. For each sample, shows the file information and an component Results Table.
Sample summary	For each sample, shows the Sample Name and a Results Summary Table that includes these columns: Calculated Concentration , Conc. Units , and outlier (Pass/Fail) status for each component.
SCIEX OS LIMS Template A	A template to export a Results Table for use in third-party systems, for example, LIMS or LIS.
SCIEX OS LIMS Template Export as from Analyst with regr and ion ratio	A template to export a Results Table for use in third-party systems, for example, LIMS or LIS. This template uses the comprehensive column layout of the export that is supplied by the Analyst software. It includes an component regression equation and ion ratio.
SCIEX OS LIMS Template_Displaying Analytes Horizontally	A template to export a Results Table for use in third-party systems, for example, LIMS or LIS. This template shows a column for each component, with one row for each sample and the component peak area in each cell.
UV MS Qual report	For each sample, shows the components of the sample and their related UV component in a WYSIWYG table that includes XICs, MS spectra, and MS/MS spectra. A Statistics summary table for Area is included at the end of the report. Note: This template puts an MS XIC and a UV trace together with the name format <i>compound_name</i> and <i>compound_nameuv</i>.

Contact Us

Addresses



Leica Microsystems CMS GmbH
Ernst-Leitz-Strasse 17-37
35578 Wetzlar
Germany

UKRP

Leica Microsystems (UK) Ltd
19 Jessops Riverside
800 Brightside Lane, Sheffield
S9 2RX, England



AB Sciex Pte. Ltd.
Blk33, #04-06 Marsiling Industrial Estate Road 3
Woodlands Central Industrial Estate, Singapore 739256

**SCIEX
Headquarters**

AB Sciex LLC
250 Forest Street
Marlborough, MA 01752
USA

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- Global: sciex.com/contact-us

Online Learning Center

- [SCIEX Now Learning Hub](#)

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