

# Data and conditions1

1. Add data values to Data and Conditions.

- a. To import a file of data values

- i. Save the spreadsheet of data values to a csv (comma-separated value) file.
- ii. Click **Import csv** and select and follow the prompts to add the data file to the Findings Info.



- iii. The columns and data are added to Data and Conditions.

- b. To add the data values manually

- i. Specify the number of **columns** and **rows** for the matrix, and click **Update**.

A screenshot of a software interface titled "Finding Info". Under the "Data and Conditions" section, there are input fields for "columns" (set to 2) and "rows" (set to 3). Below these is a blue "Update" button with a small circular arrow icon.

- ii. Add the data values to the rows.



Whether you imported or added information manually, you can preface each data value with one of the following: Maintain the default, equal to (=), or select greater than (>), less than (<), or infinity (approximate).

A modal dialog box titled "Constant Value". It contains several input fields with operators and values: " $>$  23.0", " $>$  23.0", " $>$  23.0", " $\sim$  12.0", " $\sim$  12.0", and " $=$  12.0". There are "Save" and "Cancel" buttons at the top, and "Delete" buttons next to the last two entries. At the bottom are "Files" and "Add" buttons.

2. To define a column, click an underlined column heading.

A screenshot of the "Finding Info" panel. Under the "Data and Conditions" section, a "Column Data" panel is open. The first column header, "Column 1", is highlighted with a red dotted border and a hand cursor icon.

The Column Definition panel displays.

A modal dialog box titled "Column Definitions". It includes fields for "Column Type" (set to "datum"), "Column Name" (set to "datum"), "Column Value Type", "Column Value Unit", and "Constant Value" (with a note about boolean values). At the bottom are "Reset", "Save", and "Cancel" buttons.

1. Select a **Column Type**, Datum or Condition.
2. Select a **Column Name** or select **other** and add a new one.

**Column Notes**

You can add up to three cell viability Column Names, including **cell viability**, **cell viability B**, and **cell viability C**. You can further identify the column with the Column Value Type.

- a. For Column Type, **Datum**, the following characterization(s) display customized **Column Name** options.

Characterization Type	Column Type and Column Name Option(s)
Physico-Chemical	<ul style="list-style-type: none"> <li>• <b>Molecular</b> – Molecular Weight</li> <li>• <b>Purity</b> – % purity for sample</li> <li>• <b>Relaxivity</b> – R1, R2, T1, T2</li> <li>• <b>Size</b> – PD1, Peak N , RMS size, Z Average</li> <li>• <b>Surface</b> – charge, zeta potential</li> </ul>
In Vitro	<b>Enzyme Induction</b> – % of Control
In Vivo	Click <b>Other</b> to name the column yourself.

- b. For Column Type, **Condition**, all characterizations provide the **Column Name** options in the left column of the following table. The Column Name autopopulates the **Condition Property** options in the right column.

Column Type, Condition Autopopulates Column Name	Column Name Autopopulates Condition Property
Centrifugation	N/A
Culture Media	media type, serum percentage
Electromagnetic Radiation	bandwidth, frequency, time, wavelength
Freeze Thaw	N/A
Long Term Storage	lyophilized, time
Lyophilization	time
pH	N/A
Sample concentration	N/A
Short Term Storage	lyophilized, time
Solvent Media	ion concentration, ionic strength, molecular formula, osmolality, serum percentage, with serum
Sonication	number of pulses, pulse duration
Temperature	N/A

3. To further identify a column, select a **Column Value Type**.

**Once the column information is saved, the Column Type is shown in parentheses after the Column Name, such as **cell viability (mean)**.**

- **boolean**
- **mean**
- **median**
- **mode**
- **observed**
- **standard deviation**
- **Z-score**

4. Select a **Column Value Unit**, or select **other** and add one.
5. If you want the same value to fill all rows in a column, add a **Constant Value**.

**For Column Value Type, boolean**

For Column Value Type, **boolean**, enter a Constant Value of 1 for true and 0 for false.

6. Click **Save**, and the column(s) are updated.



If needed, click **Set Column Order** to change the order of the column headings in the matrix.

7. Click **Save** in the Finding section.