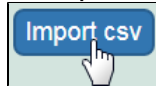


Data and conditions1

1. Add data values to Data and Conditions.

a. To import a file of data values

- Save the spreadsheet of data values to a csv (comma-separated value) file.
- 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

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

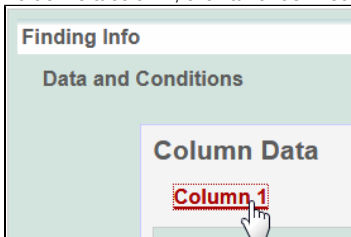
A panel titled "Finding Info" with a sub-section "Data and Conditions". It contains input fields for "2" columns and "3" rows, and an "Update" button.

- 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 dialog box titled "Constant Value" with a text input field and a note: "For boolean column value type, please enter 1 for true, 0 for false". It has "Remove", "Save", and "Cancel" buttons. Below is a table with two rows and two columns of data. Each cell has a dropdown menu for operators (>, ~, =) and a text input for values (23.0, 12.0). There are "Delete" buttons for each cell. At the bottom, there is an "Add" button and a "Files" section.

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



The Column Definition panel displays.

A panel titled "Column Definitions" with fields for "Column Type *" (dropdown with "datum" selected), "Column Name *" (dropdown with "datum" selected), "Column Value Type" (dropdown), "Column Value Unit" (dropdown), and "Constant Value" (text input with a note: "For boolean column value type, please enter 1 for true, 0 for false"). It has "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	• Molecular – Molecular Weight • Purity – % purity for sample • Relaxivity – R1, R2, T1, T2 • Size – PD1, Peak N , RMS size, Z Average • Surface – charge, zeta potential
In Vitro	Enzyme Induction – % of Control
In Vivo	Click Other 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.