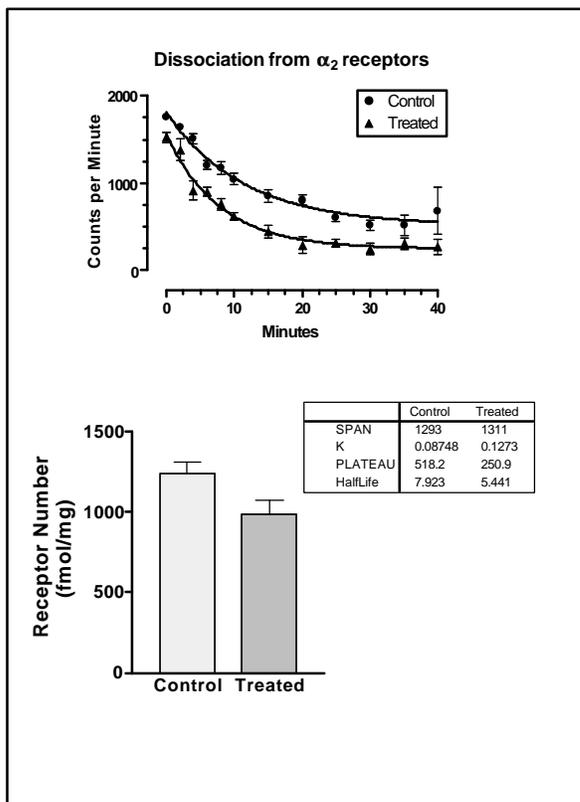


Introducing GraphPad Prism

Thank you for trying GraphPad Prism, clearly the fastest, easiest way to analyze and graph scientific data. The best way to learn Prism is to follow the steps below to create this sample layout page. It takes only a few minutes, and will familiarize you with many of Prism's main features. You'll then be analyzing and graphing your own data in just minutes!

Prism's design

A Prism project file is divided into five sections, represented by yellow folder tabs on the toolbar. When you start a new project, you will begin in the Data section. To switch to a different section of your project, simply click on the appropriate folder tab. Each of the 5 sections can hold up to 100 sheets. Prism maintains links between these sections, so that if you later make changes to your data and/or analysis parameters, Prism updates your entire project automatically.



Make the first graph

1. From the Welcome dialog, choose to create a new project. Format the data table with the X column as numbers and the Y columns as triplicate values. Note the other possibilities.
2. Position the insertion point at the first row of the X column, and use the File ... Import command to import the file **Tutorial Sample Data**. Note the New User Hint. These hints help you learn the program quickly. You may turn them off once you are familiar with Prism.
3. Press the Graphs tab to see the graph that Prism created automatically. Note that it includes error bars and a legend.
4. Customize the graph. Double-click on symbols, axes and titles to modify them to match the picture above. If you prefer, you can also press the Change button on the toolbar to get a menu for changing various items on the graph.
5. Press the Analyze button, and choose nonlinear fit from the Curves & Regression category. Scroll through the list of built-in equations, and choose "One phase exponential decay" (don't worry if you don't know what that means). Leave the other options alone and press OK. Prism fits both data sets and adds the best-fit curve to the graph. Click on the Results tab to see the numerical results.

Make the second graph

1. Click on the Data tab, and press the New Table button. Format this table so the X column contains text (bar graph labels) and the Y columns contain mean and SE. Enter the data shown below. Your file now has two data tables (it can hold up to 100).

	X Labels	A		B	
	X Labels	Control		Treated	
	X	Y	SEM	Y	SEM
1	Receptor #	1237.0	76.0	984.0	87.0

2. Go to the Graphs section to see the graph that Prism created automatically (your file now contains two graphs). Since your X column is text, Prism created a bar graph by default. Click once to select the X axis. Drag the right knob with your mouse to make the graph narrower. Customize the graph further if you want.

Arrange the graphs on a layout

1. Click on the Layout tab. Press the Change button, and choose Number and Arrangement of Graphs. From the dialog, choose a portrait page with two graphs. Prism creates a page with two graph placeholders.
2. Double click on one of the placeholders and assign graph 1. Assign graph 2 to the other placeholder. Adjust the position and size of the graphs. Note that if you want to change the shape of the graph or the appearance of the symbols or axes, you'll need to go back to the Graphs section. The Layout section is only for arranging graphs, tables, text, drawings and pictures -- not for editing graphs.

3. Go back to the Results sheet. Select a portion of the results and copy to the clipboard.
4. Go to the Layout. Position the mouse where you would like the results to appear, click the right button, and paste. You've embedded a portion of the results table on the layout. Double-click on the table to add titles, grid lines, or change font.

Fix a mistake

1. Go back to the data table. Press the << button to the right of the folder tabs to go to the first data table. The Y3 replicate in row 12 for the controls (987) is much higher than its neighbors. Imagine that you had noticed a problem with that tube during the experiment, and now you don't want to include the value in the graph or the analyses. Click once to select that number. Pull down the Edit menu and choose Exclude. The value 987 now appears in blue italics, which indicates it is excluded. The outlier will remain documented in the data table, but will now be excluded from all analyses and graphs.
2. Click on the Layout tab. Prism automatically recalculated the error bars, refit the curves, redrew the graphs, and updated the embedded table. Prism remembers the links between data, results, graphs and layouts. Whenever you edit or replace the data, Prism automatically updates the rest of your project.

Seven reasons why Prism is your best choice

Instant graphs.

Enter data and click once. Prism instantly creates a graph with legend and error bars.

Versatile page layout.

Prism lets you arrange data, results and graphs on the same page.

The world's easiest curve fitting.

In most cases, you can fit curves to several conditions in one step. Pick an equation from a list - Prism does the rest automatically.

Built-in statistics.

Prism calculates all basic statistical tests (including nonparametric) up to two-way ANOVA.

Statistical help when you need it.

You don't have to be a statistics expert to use Prism. Prism's help screens and manual help you choose analyses and interpret the results.

Swift analysis of repeat experiments

Prism automatically updates the results and graphs when you edit or replace data, so you can analyze and graph a repeat experiment in a single step.

An organized record of your work.

Prism preserves your entire project - including results and notes - in one organized file. And since everything is linked, you can retrace every step.

Try Prism with your own data

The trial version of Prism lets you analyze and graph data, but with limitations in saving, printing and exporting.

If you have questions, don't hesitate to contact us.

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