

Exporting Charts

The KinExA® Pro Software has the ability to export charts as jpg files for use in other documents, such as publications. The analysis data that generated the graphs along with the raw data can also be exported as a tab delimited data file. Follow the instructions below depending on your needs.

Exporting Charts as jpg Files

From within KinExA Pro experiment file:
Go to *File > Export > Charts*.

From within KinExA Pro n-curve file:
Go to *File > Export Charts*.

Once you select *Export Charts*, you will be prompted for a directory where images of the charts will be placed. These images will appear exactly as they do within KinExA Pro and can be easily imported or copied into your publication.

Each chart will be labeled as follows:

- *Instrument*: Instrument traces
- *Theory*: Binding curve
- *Error 1*: K_d 95% confidence interval
- *Error 2*: CBP or Titrant activity 95% confidence interval

Keep in mind, whatever is displayed in the software will be exported into your designated file. If you decide to change the *Analysis Concentration Reference*, the new charts will need to be exported. When exported, they will over write the previous charts within the folder. If you want to save charts displaying both analysis options, you will need to designate another folder for the new charts or change the name of the previous charts.

Exporting Analysis Data

From within KinExA Pro experiment file:
Go to *File > Export > Analysis Data*.

From within KinExA Pro n-curve file:
Go to *File > Export Analysis Data*.

The comments, notes, binding signals, and analyzed data from your experiment is exported in a tab delimited data file. This file can be imported into Excel or similar software where you can recreate the charts from the data to meet your requirements.

How to read the delimited data file:

- Once the file is open, the information reads from left to right.
- The first row is the title for each column.
- The second row starts the information or data relating to each title.
 - For the Comments section, all the information is written in one cell. To more easily read the comments, wrap the text within the cell.

How to recreate the error graphs:

- The data for the K_d error graph is labeled and starts in the first column displaying multiple rows of data.
 - Highlight all the data under *Error Graph, K_d* and *Error Graph, K_d Best Fit* to create an XY scatter graph.
 - The X-Axis (*Error Graph, K_d* data) is the concentration range in Molar units and is formatted as a log scale.
 - The Y-Axis (*Error Graph, K_d Best Fit* data) is the percent error calculated at each concentration.
- The data for the CBP or Titrant activity error graph is labeled.
 - Follow the same instructions for creating an XY scatter graph with the two sets of data.
 - The X-Axis will be % activity and is a linear scale.
 - The Y-Axis is the percent error calculated at each concentration.

How to recreate the binding curves:

- The raw data for the binding curves are labeled as *Concentration* and *Binding Signal*.
- The analyzed data for the binding curves are labeled as *Calculated Concentration* and *Calculated % Free*.

- The theory curve associated with the analyzed data is labeled *Theory Curve* and *Theory Curve % Free*.
- To recreate the graphs seen in KinExA Pro, graph the analyzed data and theory curve data on the same graph as [2] different series using an XY scatter graph.
 - The X-Axis should be formatted as a log scale to match the KinExA Pro figure.
- If the n-curve data was exported, there will be [3] sets of data associated with each curve.
 - The data will always start with *Curve 1* and then list the raw data, analyzed data, and theory data before listing data for the next curve.