

Help for Making Excel Graph with 2 Y-Axes and Missing Data Points

In the lab report for Expt 3, GOT Purification, you need to make a graph for the elution of the CMC column where you plot both A-280 and GOT Activity versus fraction number. Here is some advice on how to do that:

1. Put your data in 3 columns in Excel: 1st put fraction number, next A-280 values and then GOT activity.
For example:

1	0	0
2	0.1	
3	0.15	5
4	0.8	
5	0.5	1
6	0.4	
7	0.1	0
8	0	
9	0	0
10	0	

2. Highlight the columns with the A-280 and GOT values and then click on the icon for the Chart Wizard.
3. This brings up the Chart Wizard with Standard Types showing and you want to select the tab for Custom Types. Then scroll down until you find the Chart called “Lines on 2 Axes” and click Next, which will show your data on a graph with 2 Y-axes one scaled for A-280 data and one for GOT data. Your A-280 will be on the graph with lines connecting the points. The GOT data will be shown as points without lines joining them.
4. Go ahead and complete the chart by labeling the axes and series symbol legend.
5. When the graph is done and displayed in an Excel window, click on the chart and open the Tools pull down menu and select “Options”. Click on the Chart tab and you will find the 1st choice is called “Plot empty cells as”. Click the radio button for “interpolated” and click OK.
6. Now your chart/graph should have lines joining the GOT activity data points and be ready to print out. An example graph is shown on the next page using the above data.

Graph with 2 Y-axis scales

