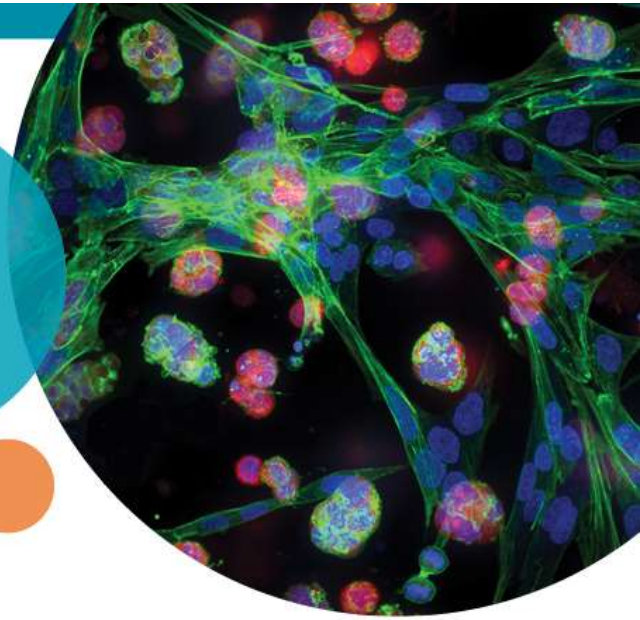

MetaXpress® 6.5 Software Guide

Peak Analysis

January 2019

MOLECULAR DEVICES
ADVANCING DISCOVERY

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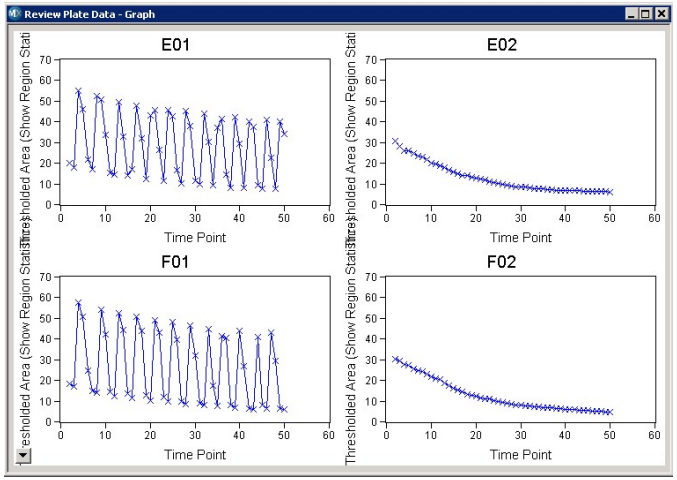
Chapter Purpose



The purpose of this chapter is to introduce the user to the new peak analysis feature added in MetaXpress 6.5.

Peak Analysis uses the same peak-finding algorithm as the Peak Pro tool in the SoftMax Pro and ScreenWorks software.

This feature requires purchase of the following part:

5058772	**CURVE FITTING APPLICATION MODULE. Includes Peak Pro Analysis.**

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Review Plate Data

1. Open **Review Plata Data**

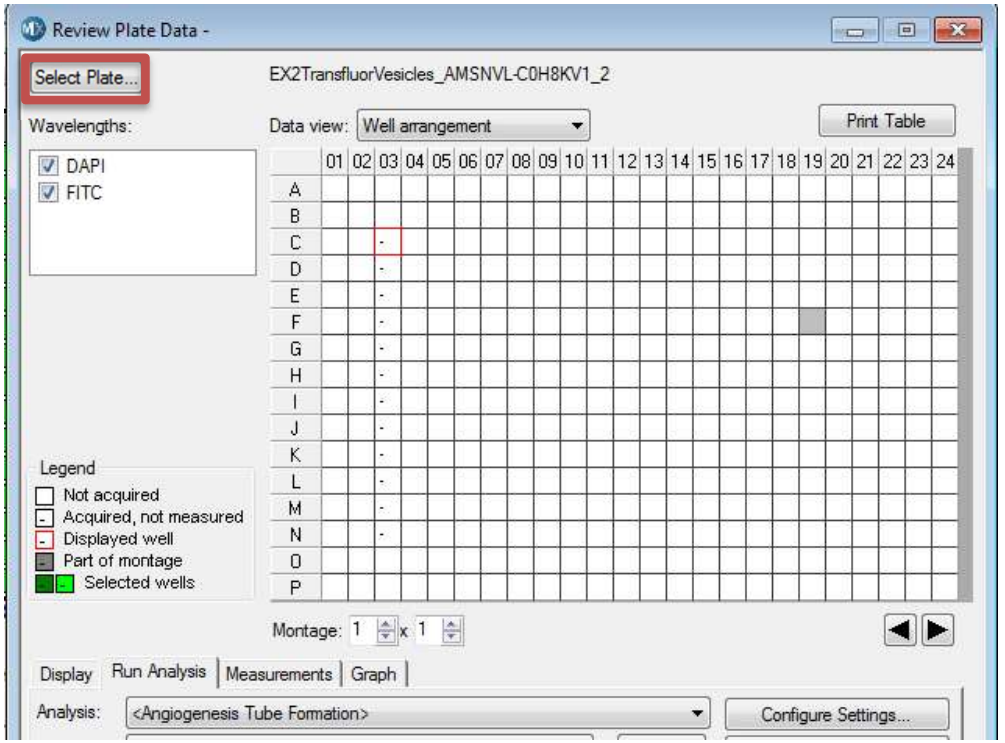
   - In the main toolbar click on

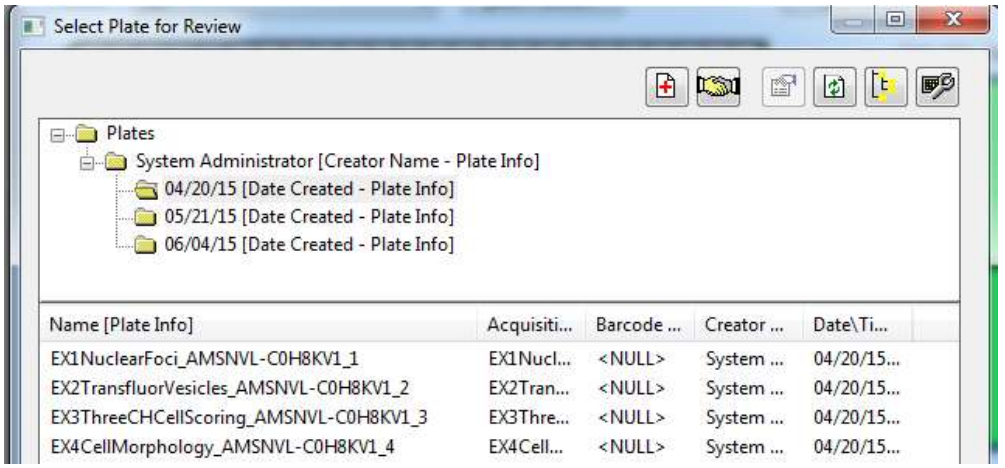
OR

   - Under the **Screening** menu, select **Review Plate Data**

2. Click on the **Select Plate** button

3. Browse through the folders to open the plate of interest





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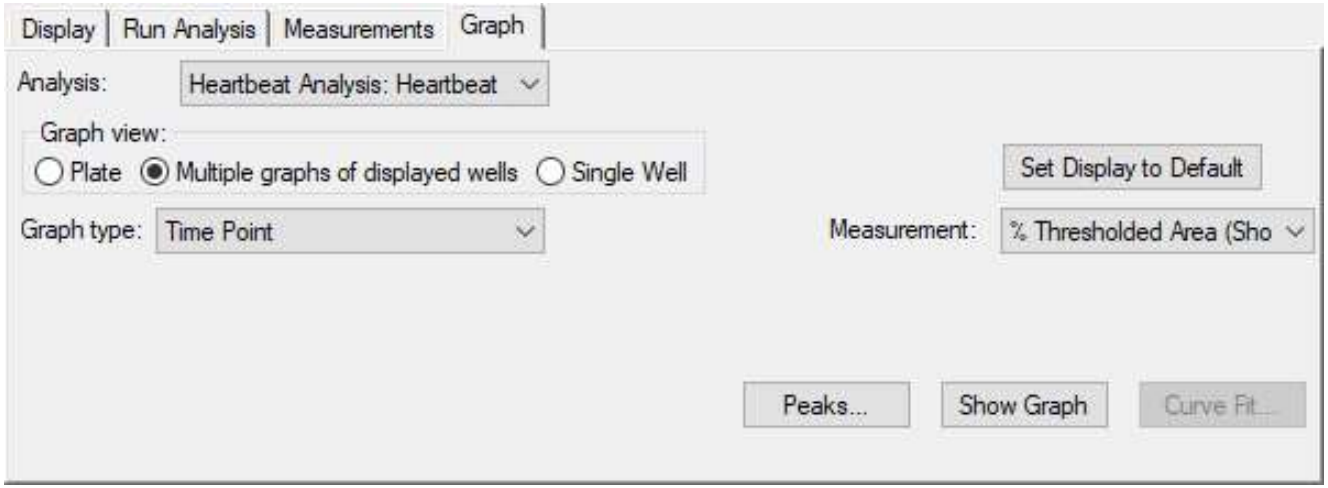
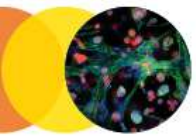
Peak Analysis Steps



1. Analyze the timelapse plate with an appropriate analysis journal.
   a) The journal must output an Amplitude measurement (e.g. intensity or % thresholded).
   b) The journal must output a time measurement (e.g. elapsed time).
   c) Example journals are available.
2. Optionally annotate the plate (**Screening > Plate Annotation**).
3. In the Review Plate Data dialog, go to the **Graph** tab and select the analysis.
4. Select **Multiple graphs of displayed wells > Time Point**
5. If viewing graphs, keep the well display montage small (e.g. 2x2 or 3x3), then click **Show Graph**.
6. Click **Peaks** to display the Peak Analysis results for currently displayed wells.



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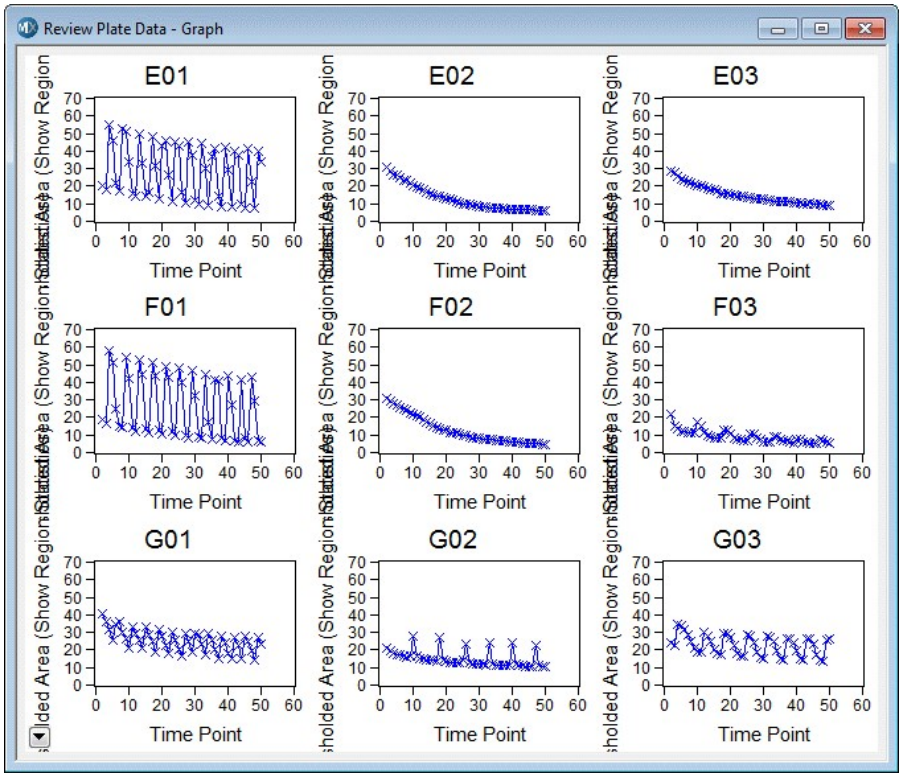
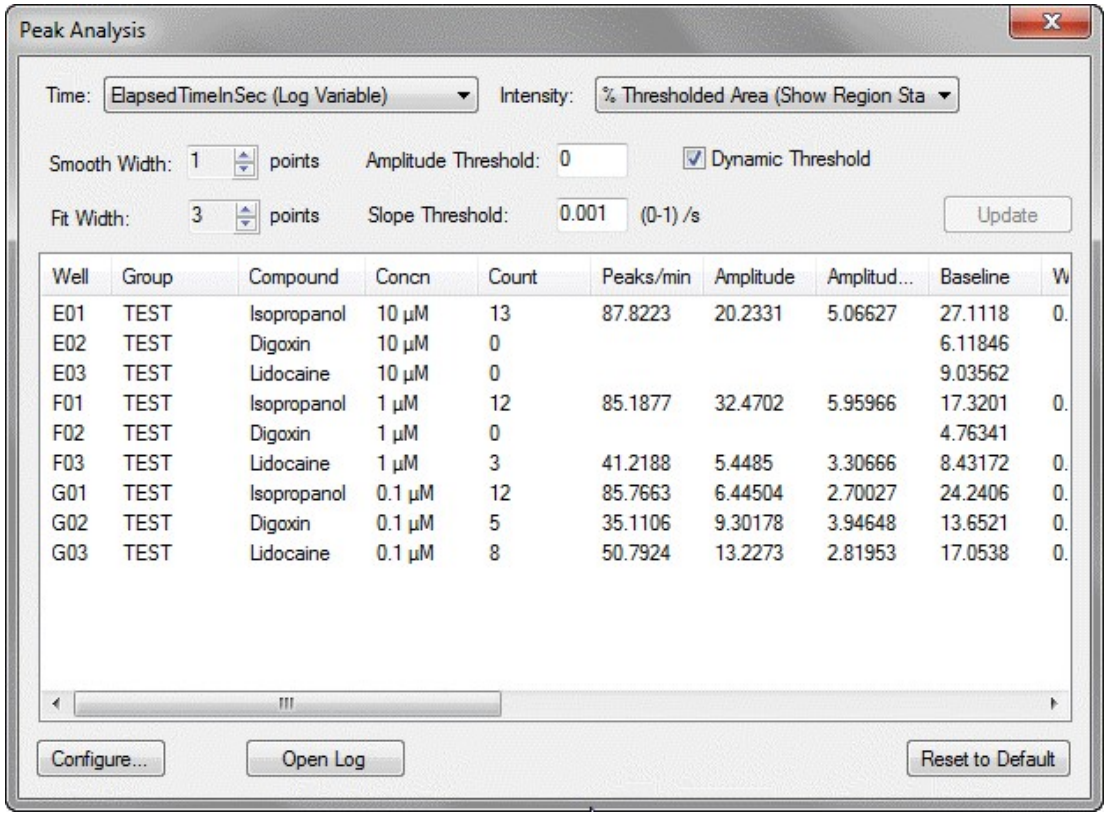
Peak Analysis Steps





7. In the Peak Analysis dialog, select the **Time** and **Intensity** measurements.
8. Use **Open Log** and **Log Data** to export results to Excel or a text file.

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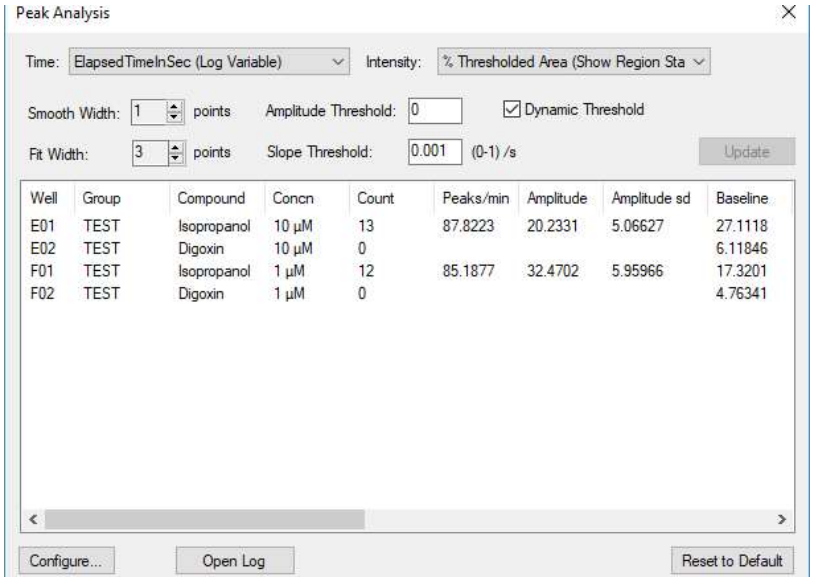
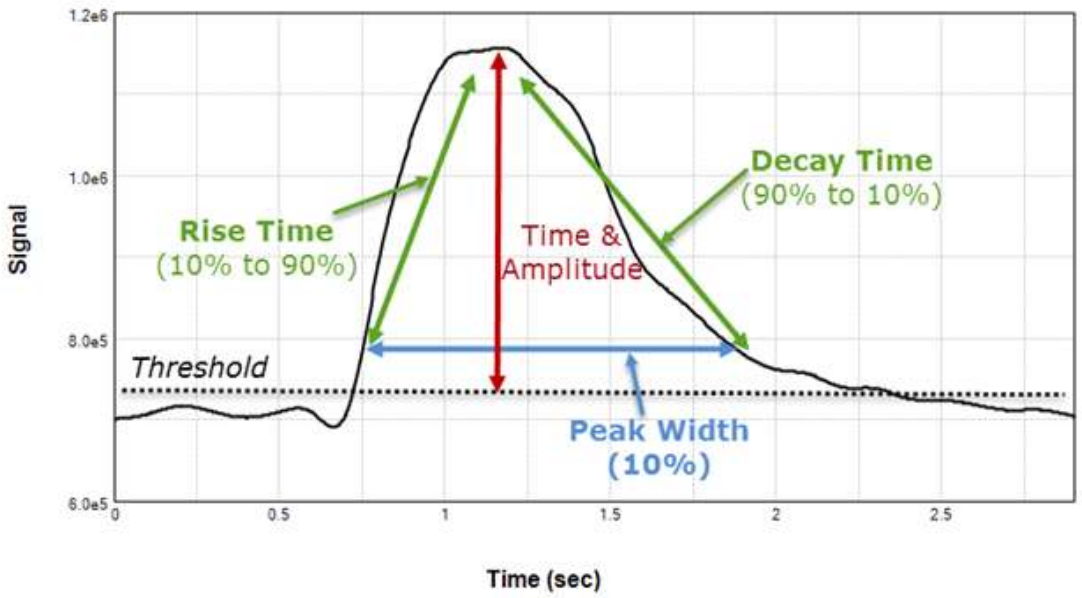
Peak attributes





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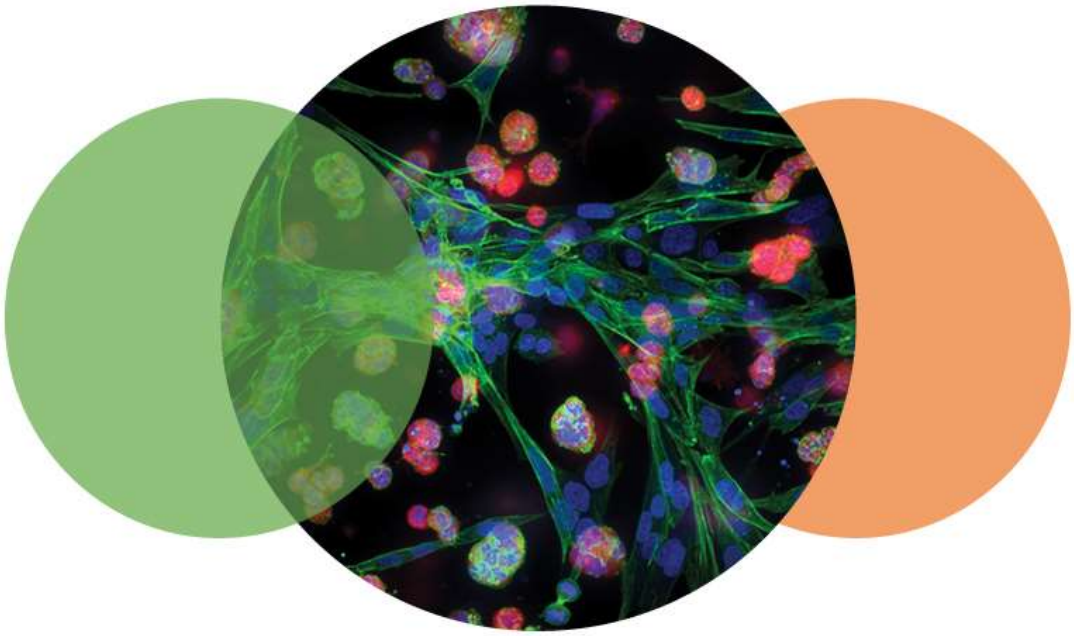

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