SpectraMax/SoftMax Pro Software – Molecular Devices

INTRODUCTION

The Lumetics LINK[TM] software platform scans network locations for new measurement data files, copies data directly to a centralized database, and provides a powerful user interface for rapid multi-measurement multi-technique data aggregation, visualization, analysis, and reporting. LINK employs a client/server-based architecture where the LINK server hardware is provided by the end user and resides on the end user's network. The LINK client is a portable web-based application that may be placed on any computer with network connectivity to the LINK server. For successful import, the LINK webserver requires read access to the folders where user data resides.

The SpectraMax® M Series Multi-Mode Microplate Readers measure UV and visible absorbance, fluorescence, luminescence, fluorescence polarization, TRF and HTRF. Standard features include a cuvette port, spectral scanning in 1 nm increments, and up to six wavelengths per read. SoftMax Pro Software simplifies microplate data acquisition and analysis.

DETAILS

LINK requires the TXT data file microplate reader measurements. Required data files need to be exported from the SoftMax Pro software. Supported data is produced by plates, not cuvettes, for both Absorbance and Fluorescence assays. For Absorbance assays, if an associated analysis Word report is found, EC50 and %RB results will be imported to LINK, and either an associated PDF report or Word report will be copied to LINK as a Measurement Series Attachment.

Helpful Notes:
- LINK supports version 6+ of SoftMax Pro software.
- LINK will ignore the plate section of the data TXT file and requires the group section to be present. Users may need to change their software output setting to include the group section.
- Since the plate section of the data TXT file does not contain group names/sample names, there is an advantage to include the group section in the TXT file, if possible.
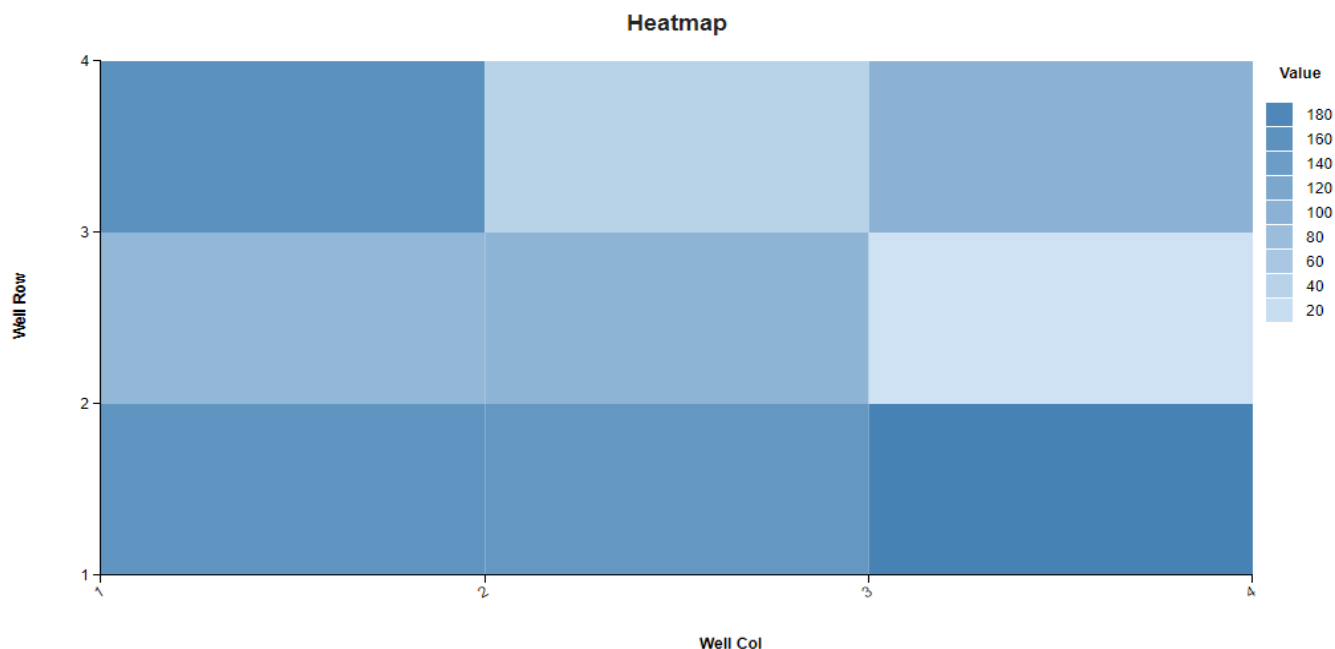
The SpectraMax TXT data file example is as follows:

EXAMPLES

Included below are sample dashboards from SpectraMax measurement files:

1. 2D Histogram plotting measurement results for Well Columns & Well Row vs. Wavelengths

2. Tabular Summary examples

Measurement Summary Table – Measurement Results

Sample Name	File Name	Analysis Date	Concentration (µg/mL) - AVG	Excitation Wavelengths - AVG	Wavelengths - AVG	Well	Well Col - AVG	Well Row - AVG	Value - AVG
Sample A	Example Data Spectramax M2.txt	2020-09-14 13:36:40	0	440	257.50	Multiple (6 Values)	1.33	2.17	124.18
Sample B	Example Data Spectramax M2.txt	2020-09-14 13:36:40	0	440	168.75	Multiple (4 Values)	2.50	2.50	70.04
Sample C	Example Data Spectramax M2.txt	2020-09-14 13:36:40	0	440	242.00	Multiple (5 Values)	3.60	2.60	89.86

SPECTRAMAX DASHBOARDS

LINK contains an extensive built-in dashboard library from LINK version 2.4.0.210401 and later. This function contains specific pre-created dashboards for all instruments and application groups.

CONTACT LUMETICS

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