

## AuPRO – Pion

### INTRODUCTION

The Lumetics LINK™ 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.

AuPRO is a comprehensive data collection and refinement software. It provides the ability to analyze kinetic solubility and dissolution data. LINK address significant time savings for manipulating and overlaying AuPRO exported data.

### DETAILS

LINK requires exported data from AuPRO in a XLSX file format with a mandatory “Study Design” sheet. All parameter/values present in each xlsx tab will be imported. All pH shift values are optional.

The following raw curve data may be imported, in addition to all available instrument/analysis settings and parameters calculated by the instrument software:

- Concentration (µg/ml) vs. Time Stamp
- Concentration (µg/ml) vs. Elapsed Time
- AUC vs. Time Stamp
- AUC vs. Elapsed Time (min)
- % Drug Release vs. Time Stamp
- % Drug Release vs. Elapsed Time (min)
- Absorbance (AU) vs. Wavelength (nm)

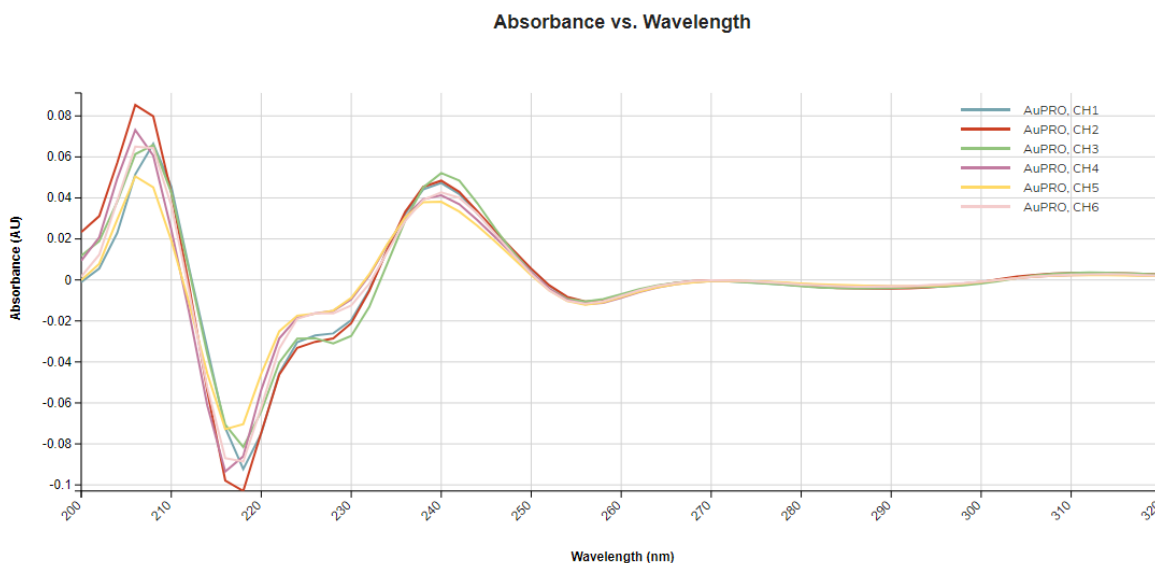
Note:

- In the case of a pH Shift, LINK will calculate all the above curves by observing the Transition Timepoint and taking the data for the first X minutes from CH1 coupled with the remaining Y minutes for CH4, CH2 & CH5, etc. These values will be assigned to Channel as: CH1/4, CH2/5, and CH3/6 respectively.

### EXAMPLES

Included below are example dashboards from AuPRO measurement files:

1. Line Chart plotting raw data curves for Absorbance vs. Wavelength



## 5. Tabular Summary examples

### Measurement Summary Table – Instrument Settings

LINK Record ID #	Sample Name	Wavelength	Absorbance (AU) (Wavelength (nm) >=1) - AVG	pH - AVG	Dissolution Media Volume (ml) - AVG	Dosing Concentration (µg/ml) - AVG	Elapsed Time (min) - AVG
7	Prototype 1 pH2	315-325 nm, second derivative	0.01	2	250	10	0.00
8	Prototype 1 pH2	315-325 nm, second derivative	0.03	2	250	10	0.17
9	Prototype 1 pH2	315-325 nm, second derivative	0.02	2	250	10	0.33
10	Prototype 1 pH2	315-325 nm, second derivative	0.00	2	250	10	0.50
11	Prototype 1 pH2	315-325 nm, second derivative	-0.03	2	250	10	0.67
12	Prototype 1 pH2	315-325 nm, second derivative	-0.05	2	250	10	0.83
13	Prototype 1 pH2	315-325 nm, second derivative	-0.04	2	250	10	1.00
14	Prototype 1 pH2	315-325 nm, second derivative	-0.04	2	250	10	1.17

### Measurement Summary Table – Measurement Results

Channel	InstrumentName	Sample Name	Analysis Date	Dissolution Media	Measurement Type	Assay Type	Number of Replicates - AVG	Sample Type	Sample per Vessel (mg) - AVG
CH1	AuPRO	Prototype 1 pH2	2020-01-29 00:2...	FaSSiF (pH 6.5)	Spectra	Other	3	Tablet	2.50
CH2	AuPRO	Prototype 1 pH2	2020-01-29 00:2...	FaSSiF (pH 6.5)	Spectra	Other	3	Tablet	2.50
CH3	AuPRO	Prototype 1 pH2	2020-01-29 00:2...	FaSSiF (pH 6.5)	Spectra	Other	3	Tablet	2.50
CH4	AuPRO	Prototype 2 pH6	2020-01-29 00:2...	FaSSiF (pH 6.5)	Spectra	Other	3	Tablet	2.50
CH5	AuPRO	Prototype 2 pH6	2020-01-29 00:2...	FaSSiF (pH 6.5)	Spectra	Other	3	Tablet	2.50
CH6	AuPRO	Prototype 2 pH6	2020-01-29 00:2...	FaSSiF (pH 6.5)	Spectra	Other	3	Tablet	2.50

## DASHBOARD DOWNLOADS

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Included below is a link to downloadable dashboards for AuPRO measurement files:

<http://lumetics.com/dashboards/AuPro/AuPro.zip>

## CONTACT LUMETICS

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For direct assistance, please contact Lumetics LINK™ Support:

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