NEPHELOstar – BMG

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 NEPHELOstar is a microplate nephelometer with a high-intensity laser diode for light-scattering and turbidity measurements.

DETAILS

LINK requires CSV Export for importing NEPHELOstar data. LINK does not currently import raw curve data. All available instrument/analysis setting information and NEPHELOstar raw data calculations will be imported to LINK.
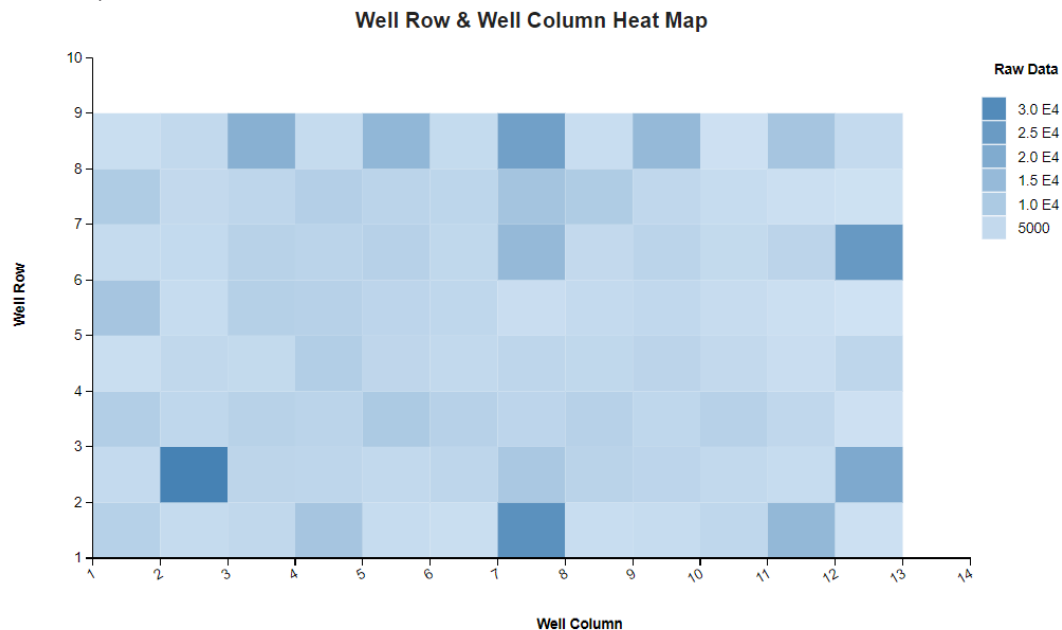
The NEPHELOstar CSV data file example is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	User: Admin												
2	Path: C:\Program Files (x86)\Data\												
3	Test ID: 01												
4	Test Name: 96 Half Area Read												
5	Date: 1/30/2019												
6	Time: 1:29:37 PM												
7	ID1: No cover with spin												
8	Nephelometry												
9													
10													
11													
12		Raw Data											
13		1	2	3	4	5	6	7	8	9	10	11	12
14	A	7750	4550	5500	11400	4300	3650	28300	3850	4300	5800	15750	2900
15	B	4700	33000	6400	6100	5250	6100	10500	6950	6300	5100	4200	20400
16	C	8650	5800	7500	6700	10050	7650	6350	7650	5750	7550	5700	2800
17	D	3550	5450	4950	8750	5950	5150	6100	5600	6600	5050	3700	6150
18	E	11500	4200	8100	7650	6300	5800	3700	4750	5300	4150	3200	2250
19	F	4450	4900	7400	6650	7650	5600	15250	5050	6700	4950	6600	25550
20	G	9400	5050	6050	8250	6850	6200	11800	9350	5700	4250	3100	2600
21	H	3600	5250	18150	4550	16150	4650	23400	3750	15300	2750	11500	4800

EXAMPLES

Included below is a dashboard from NEPHELOstar measurement files:

1. 2D Histogram heat map of well row and well column

2. Tabular Summary example – Measurement Summary Table

LINK Record ID #	Sample Name	Well Row - AVG	Well Column - AVG	Well	Time	Test Name	Test ID	Analysis Date
1	Sample X1	1	1	A01	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
2	Sample X2	1	2	A02	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
3	Sample X3	1	3	A03	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
4	Sample X4	1	4	A04	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
5	Sample X5	1	5	A05	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
6	Sample X6	1	6	A06	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
7	Sample X7	1	7	A07	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
8	Sample X8	1	8	A08	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
9	Sample X9	1	9	A09	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
10	Sample X10	1	10	A10	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
11	Sample X11	1	11	A11	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
12	Sample X12	1	12	A12	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
13	Sample X13	2	1	B01	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
14	Sample X14	2	2	B02	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
15	Sample X15	2	3	B03	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
16	Sample X16	2	4	B04	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
17	Sample X17	2	5	B05	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
18	Sample X18	2	6	B06	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
19	Sample X19	2	7	B07	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
20	Sample X20	2	8	B08	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
21	Sample X21	2	9	B09	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
22	Sample X22	2	10	B10	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
23	Sample X23	2	11	B11	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
24	Sample X24	2	12	B12	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
25	Sample X25	3	1	C01	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
26	Sample X26	3	2	C02	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
27	Sample X27	3	3	C03	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
28	Sample X28	3	4	C04	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
29	Sample X29	3	5	C05	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...
30	Sample X30	3	6	C06	1:29:37 PM	96 Half Area Re...	29	2019-01-30 13:...

NEPHELOSTAR 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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