

## CFX96 Touch qPCR – Bio-Rad

### 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.

CFX96 Touch is a six-channel real-time PCR instrument that combines advanced optical technology with precise temperature control to deliver sensitive, reliable detection for single plex or multiplex reactions.

### DETAILS

LINK requires the Melt Curve Derivative Results.XLSX data file. The Melt Curve Summary.XLSX is optional but includes the melt temperature for each sample (numeric values only) and is therefore recommended. The Melt Curve RFU Results.XLSX are also optional. These files may need to be exported from the CFX96 Touch software.

The CFX96 Touch XLSX file example is as follows:

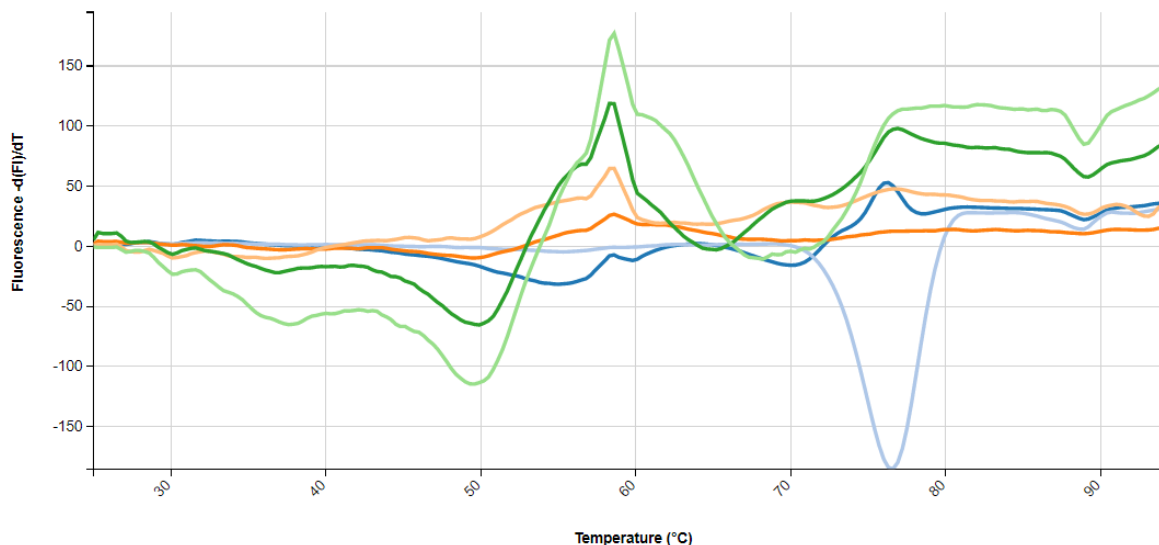
	A	B	C	D	E	F	G	H	I	J	K	L
1		Temperature	A1	A2	A3	A4	A5	A6	A7	A8	A9	B1
2		25.00	0.90	5.11	2.49	3.24	1.77	3.90	2.16	5.42	2.65	-1.36
3		25.30	1.96	11.07	5.40	7.03	3.83	8.44	4.68	11.74	5.74	-2.95
4		25.60	1.81	10.22	4.98	6.49	3.54	7.79	4.32	10.84	5.30	-2.73
5		25.90	1.81	10.22	4.98	6.49	3.54	7.79	4.32	10.84	5.30	-2.73
6		26.20	1.81	10.22	4.98	6.49	3.54	7.79	4.32	10.84	5.30	-2.73
7		26.50	1.61	10.24	4.95	6.65	3.68	7.93	4.40	11.08	5.40	-2.47
8		26.80	2.69	10.13	5.13	5.50	2.68	6.94	3.89	9.48	4.65	-4.08
9		27.10	5.65	9.73	5.71	4.56	1.59	6.18	3.30	6.96	4.23	-7.15

### EXAMPLES

Included below is a sample dashboard from CFX96 Touch measurement files:

1. Line Chart plotting raw data curves for Fluorescence vs. Temperature and split by Sample Name

Fluorescence vs. Temperature



## 2. Tabular Summary examples:

### Measurement Summary Table – Measurement Results

InstrumentName	Sample Name	Lid Temp - AVG	Sample Vol - AVG	Fluorescence - d(FI)/dT (Temperature (°C) >=1) - AVG	Relative Fluorescence (RFU) (Temperature (°C) >=1) - AVG	Melt Temp
CFX96 Touch	Lumetics 10	105	25	1199.67	0.00	
CFX96 Touch	Lumetics 11	105	25	-1275.62	0.00	
CFX96 Touch	Lumetics 3	105	25	1488.35	599489.81	Multiple (2 Values)
CFX96 Touch	Lumetics 4	105	25	4859.26	846626.09	59
CFX96 Touch	Lumetics 5	105	25	6183.38	1078626.85	59
CFX96 Touch	Lumetics 6	105	25	5934.06	1283606.03	59

### Measurement Summary Table – Instrument Settings

Sample Name	Analysis Date	Base Serial Number	Well Row - AVG	Well Column - AVG	Well	Run Started	Run Ended	Fluorescent Dye
Lumetics 10	2017-05-26 22:34:39	CC004319	3.60	5.16	Multiple (24 Values)	05/26/2017 20:53:09 U...	05/26/2017 22:34:39 U...	Multiple (2 Values)
Lumetics 11	2017-05-26 22:34:39	CC004319	3.74	5.52	Multiple (23 Values)	05/26/2017 20:53:09 U...	05/26/2017 22:34:39 U...	HEX
Lumetics 3	2017-05-22 22:09:27	CC004319	1.50	8.00	Multiple (6 Values)	05/22/2017 20:28:02 U...	05/22/2017 22:09:27 U...	Multiple (2 Values)
Lumetics 4	2017-05-22 22:09:27	CC004319	2.00	2.00	Multiple (3 Values)	05/22/2017 20:28:02 U...	05/22/2017 22:09:27 U...	FAM
Lumetics 5	2017-05-22 22:09:27	CC004319	2.00	5.00	Multiple (3 Values)	05/22/2017 20:28:02 U...	05/22/2017 22:09:27 U...	FAM
Lumetics 6	2017-05-22 22:09:27	CC004319	2.00	8.00	Multiple (3 Values)	05/22/2017 20:28:02 U...	05/22/2017 22:09:27 U...	FAM

## CFX96 TOUCH DASHBOARDS

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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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For direct assistance, please contact Lumetics LINK™ Support:

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