

Intro

Basic Endpoint Protocol

Use this protocol for endpoint assays that have unknowns that will have concentrations interpolated from a standard curve. Modify the instrument setup for the wavelength(s) of interest for your assay. You may also modify the template to include additional standards, unknowns, and controls. To make modifications, click the plate section to make it active.

READER SUITABILITY:

SpectraMax M2, M2e, M3, M4, M5, and M5e.

SpectraMax Plus 384, 190, SpectraMax 190, 340PC 384 and VersaMax
Emax and Vmax

PROTOCOL REVISION HISTORY:

03/02/11 - Imported from 5.4 and edited. (ELM)

10/11/11 - Updated with the additional instruments supported in SMP 6.1

Plate1

	1	2	3	4	5	6	7	8	9	10	11	12
A												
B												
C												
D												
E												
F												
G												
H												

Settings Information

Endpoint
 ▲ Absorbance
 Lm1 405
 ▲ More Settings
 Shake Off
 Calibrate On
 Column Priority

Reduction Settings

Optical Density
 Wavelength Combination : !Lm1

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
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Smallest standard value:

Largest standard value:

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
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R - Outside standard range

Unk_Dilution

Sample	Wells	Value	R	Result	MeanResult	SD	CV	Dilution	AdjResult
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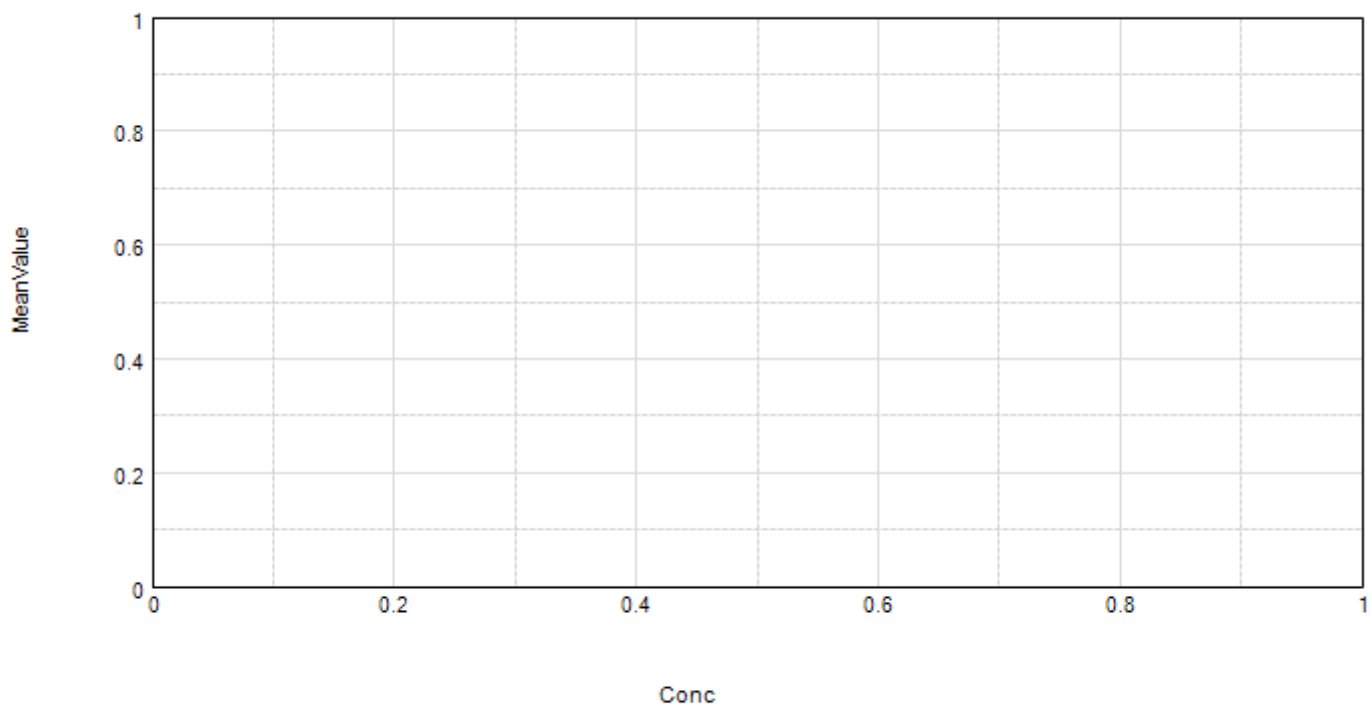
R - Outside standard range

Mean Adjusted Result:

Control

Sample	Wells	Sample#	Values	MeanValue
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StandardCurve



● Std (Standards: MeanVal... vs Conc)

Curve Fit Results ▼

Plate1

	1	2	3	4	5	6	7	8	9	10	11	12
A	6.9e6	1.7e7	4.0e6	1.2e7	4.2e6	2.9e7	2.2e7	2.4e7	1.7e7	-780.8	742.21	-925.8
B	1.7e7	2.3e7	3.1e7	1.6e7	2.2e6	2.5e7	1.2e7	2.7e7	1.7e7	-914.8	26.208	-498.8
C	2.4e6	3.0e7	2.0e7	6.3e5	1.1e7	2.2e7	1.8e7	2.2e7	9.7e6	-547.8	-555.8	-177.8
D	7.1e6	9.8e6	3.0e7	4.9e6	1.7e7	1.7e7	7.7e6	1.1e7	8.4e6	-506.8	186.21	-253.8
E	7.3e6	3.1e6	2.2e7	1.0e6	2.8e6	5.1e6	3.9e6	7.8e6	7.2e6	451.21	-2.792	221.21
F	8.9e6	2.1e7	1.7e7	3.5e6	1.8e6	3.0e6	3.4e6	2.5e6	4.8e6	552.21	113.21	292.21
G	1.5e7	7.3e6	1.1e7	8.9e6	9.1e6	1.5e6	1.1e6	1.4e6	9.9e5	428.21	388.21	478.21
H	4.4e4	1.2e7	1.5e7	8.6e6	1.6e6	6.3e5	5.0e5	6.3e5	6.8e5	351.21	491.21	443.21

Settings Information

Endpoint
 ▲ Fluorescence
 Lm1 485, 535
 Slide(s) Ex1, Em1
 ▲ More Settings
 Shake Off
 ReadOrder Row
 Show Optimizer On
 ▲ PMT and Optics
 Integration Time 400 ms
 Read from Top
 Read Height 1.00 mm

Read Information

Filter/Max F5
 ROM vV1.1 b32 10.12.2010
 Start Read : 3:41 PM
 6/22/2017
 Temperature Set Point : 37 °C
 Mean Temperature : 36.5 °C

Reduction Settings

Group Blank Used (Raw Values)
 Wavelength Combination : !Lm1

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
01	106....	115.168	A6	2904...	23165218....	47...	20.6
		83.734	A7	2241...			
		90.222	A8	2378...			
		60.081	A9	1742...			
02	53.300	96.307	B6	2506...	20163414....	72...	36.2
		32.950	B7	1169...			
		106.898	B8	2730...			
		56.149	B9	1659...			
03	26.700	81.225	C6	2188...	17777081....	57...	32.5
		60.463	C7	1750...			
		81.870	C8	2201...			
		23.514	C9	9704...			
04	14.200	59.381	D6	1727...	11046147....	43...	39.4
		13.953	D7	7686...			
		28.661	D8	1079...			
		17.492	D9	8433...			
05	6.800	1.559	E6	5071...	5990200.708	18...	30.4
		-4.039	E7	3890...			
		14.332	E8	7766...			
		11.799	E9	7232...			
06	4.000	-8.262	F6	2998...	3418600.458	99...	29.1
		-6.400	F7	3391...			
		-10.714	F8	2481...			
		0.283	F9	4802...			
07	2.200	-15.528	G6	1465...	1244547.458	21...	17.6
		-17.115	G7	1130...			
		-15.901	G8	1387...			
		-17.759	G9	9947...			
08	1.400	-19.476	H6	6325...	610428.958	78...	12.9
		-20.114	H7	4977...			
		-19.483	H8	6310...			
		-19.250	H9	6803...			

Smallest standard value: 610428.958

Largest standard value: 23165218.708

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	A1	6944...		10.435	10.435	0....	0.0
02	B1	1653...		55.904	55.904	0....	0.0
03	C1	2434...		-10.937	-10.937	0....	0.0
04	D1	7071...		11.035	11.035	0....	0.0
05	E1	7319...		12.213	12.213	0....	0.0
06	F1	8947...		19.928	19.928	0....	0.0
07	G1	1546...		50.830	50.830	0....	0.0
08	H1	4378...	R	-22.266	-22.266	0....	0.0
09	A2	1748...		60.380	60.380	0....	0.0
10	B2	2321...	R	87.547	87.547	0....	0.0
11	C2	2959...	R	117.785	117.785	0....	0.0
12	D2	9831...		24.115	24.115	0....	0.0
13	E2	3126...		-7.658	-7.658	0....	0.0
14	F2	2116...		77.819	77.819	0....	0.0
15	G2	7294...		12.091	12.091	0....	0.0
16	H2	1178...		33.369	33.369	0....	0.0
17	A3	3996...		-3.534	-3.534	0....	0.0
18	B3	3070...	R	123.035	123.035	0....	0.0
19	C3	2024...		73.448	73.448	0....	0.0
20	D3	3028...	R	121.039	121.039	0....	0.0
21	E3	2178...		80.760	80.760	0....	0.0
22	F3	1678...		57.052	57.052	0....	0.0
23	G3	1132...		31.195	31.195	0....	0.0
24	H3	1530...		50.059	50.059	0....	0.0
25	A4	1184...		33.661	33.661	0....	0.0
26	B4	1592...		52.980	52.980	0....	0.0
27	C4	6255...		-19.509	-19.509	0....	0.0
28	D4	4941...		0.942	0.942	0....	0.0
29	E4	1025...		-17.612	-17.612	0....	0.0
30	F4	3475...		-6.005	-6.005	0....	0.0
31	G4	8907...		19.739	19.739	0....	0.0
32	H4	8570...		18.140	18.140	0....	0.0
33	A5	4175...		-2.686	-2.686	0....	0.0
34	B5	2195...		-12.068	-12.068	0....	0.0
35	C5	1066...		28.054	28.054	0....	0.0
36	D5	1686...		57.438	57.438	0....	0.0
37	E5	2796...		-9.219	-9.219	0....	0.0
38	F5	1814...		-13.877	-13.877	0....	0.0
39	G5	9104...		20.669	20.669	0....	0.0
40	H5	1601...		-14.886	-14.886	0....	0.0

R - Outside standard range

Unk_Dilution

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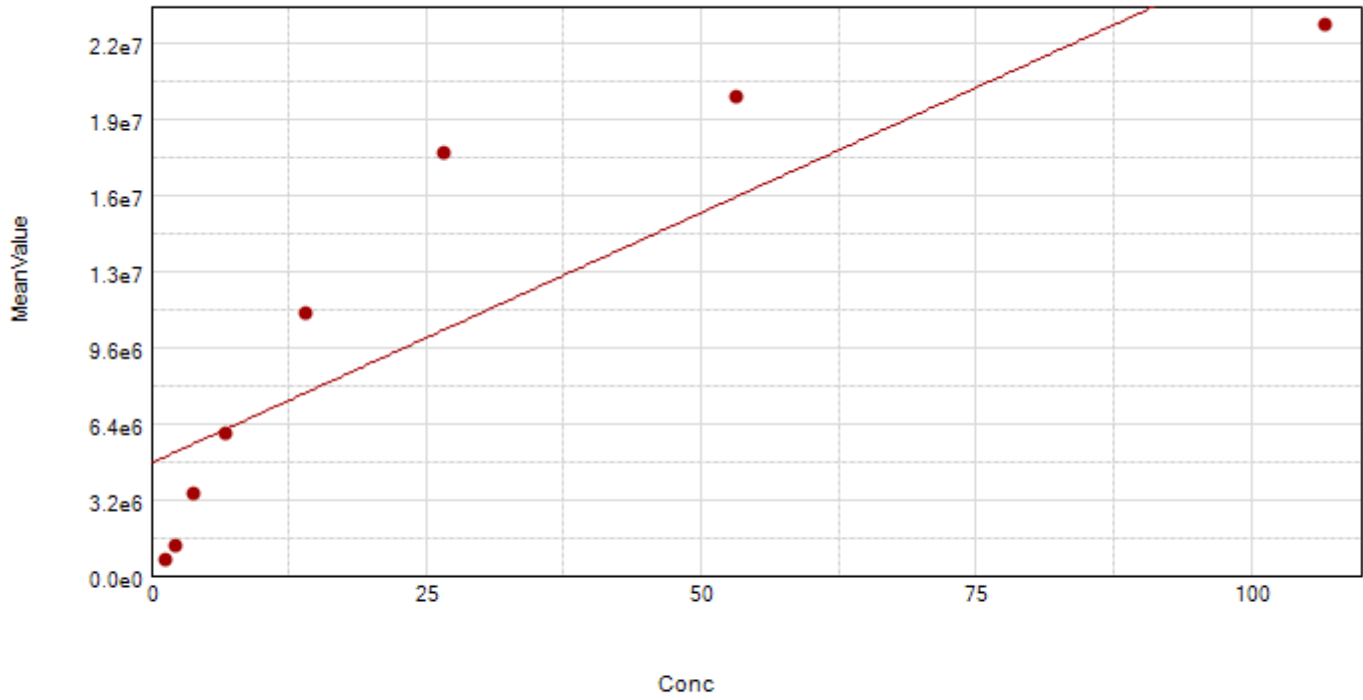
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StandardCurve



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Curve Fit Results ▼