

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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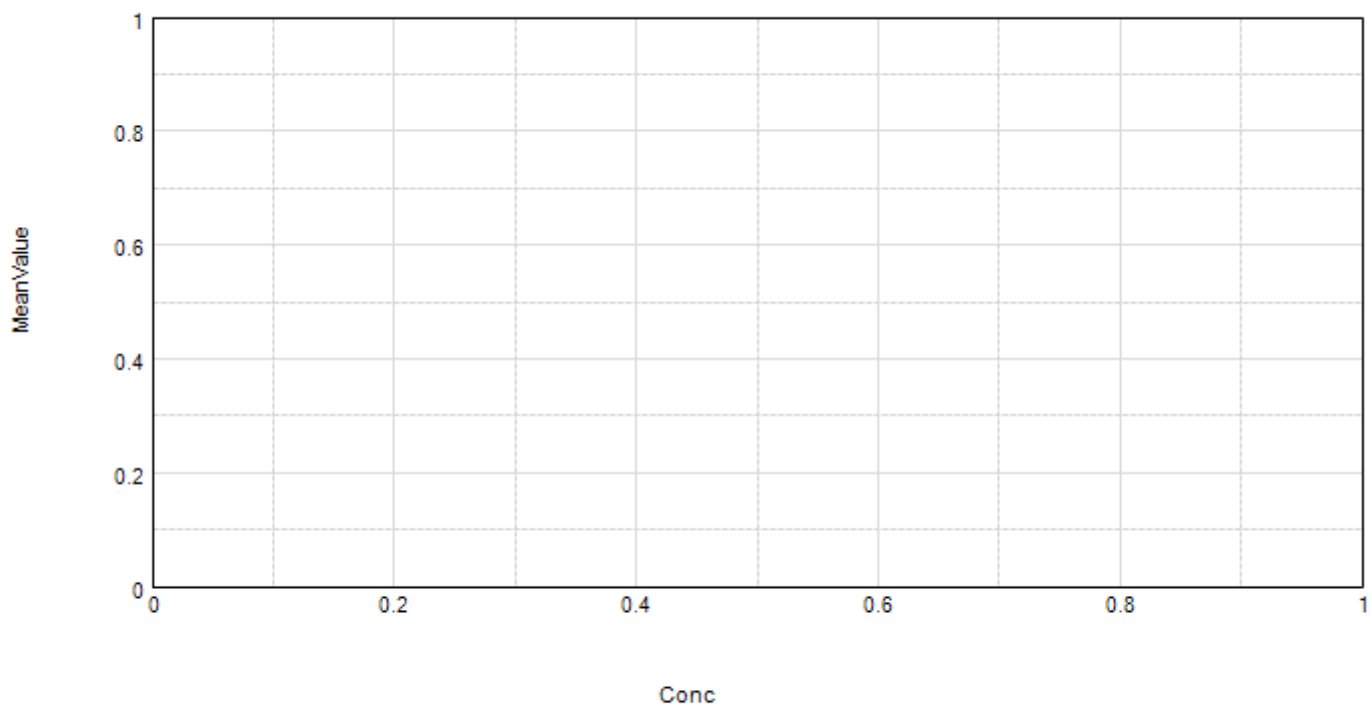
R - Outside standard range

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	6.3e6	4.2e6	1.6e7	3.3e6	8.0e6	2.0e7	7.0e6	6.3e6	2.8e7	-561.7	-160.7	49.292
B	1.9e7	1.8e7	1.2e7	6.3e6	1.8e7	8.0e6	5.1e6	1.2e7	1.3e7	-1096	471.29	443.29
C	3.9e7	2.3e6	2.6e7	1.3e7	3.2e6	5.1e6	8.4e6	1.3e7	1.3e7	-581.7	60.292	-225.7
D	1.6e7	1.2e7	2.8e7	1.2e7	6.9e6	1.2e7	4.2e6	7.2e6	1.3e7	-281.7	37.292	283.29
E	3.1e7	8.8e6	1.1e7	2.0e7	7.3e6	3.1e6	2.1e6	2.5e6	2.5e6	-113.7	399.29	-345.7
F	1.6e7	2.7e7	2.4e7	1.3e7	2.6e7	2.5e6	1.1e6	1.8e6	1.9e6	505.29	215.29	163.29
G	2.6e7	3.8e4	2.2e7	6.1e4	3.5e6	5.2e5	7.3e5	8.1e5	5.2e5	18.292	677.29	-216.7
H	2.0e7	5.3e4	2.8e7	3.1e4	6.8e6	6.2e5	5.3e5	4.8e5	3.1e5	686.29	390.29	-816.7

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 : 3:53 PM
 6/22/2017
 Temperature Set Point : 37 °C
 Mean Temperature : 37 °C

Reduction Settings

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

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
01	106....	132.617	A6	2010...	15385253....	10...	68.8
		33.067	A7	6993...			
		28.156	A8	6346...			
		193.198	A9	2809...			
02	53.300	40.337	B6	7951...	9626326.792	37...	38.9
		18.965	B7	5135...			
		74.688	B8	1247...			
		78.203	B9	1294...			
03	26.700	18.880	C6	5124...	9916672.542	38...	39.3
		43.571	C7	8377...			
		77.049	C8	1278...			
		81.508	C9	1337...			
04	14.200	69.579	D6	1180...	9040858.792	40...	44.5
		12.155	D7	4238...			
		34.987	D8	7246...			
		77.696	D9	1287...			
05	6.800	3.811	E6	3139...	2568937.292	43...	16.7
		-4.120	E7	2094...			
		-0.982	E8	2507...			
		-0.784	E9	2534...			
06	4.000	-0.739	F6	2539...	1824141.542	59...	32.9
		-11.836	F7	1077...			
		-6.534	F8	1776...			
		-5.579	F9	1902...			
07	2.200	-16.090	G6	5174...	643466.292	14...	23.0
		-14.486	G7	7287...			
		-13.881	G8	8084...			
		-16.076	G9	5192...			
08	1.400	-15.336	H6	6167...	484649.292	13...	27.1
		-15.982	H7	5316...			
		-16.337	H8	4849...			
		-17.701	H9	3051...			

Smallest standard value: 484649.292

Largest standard value: 15385253.042

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	A1	6264...		27.530	27.530	0....	0.0
02	B1	1942...	R	127.455	127.455	0....	0.0
03	C1	3874...	R	274.084	274.084	0....	0.0
04	D1	1629...	R	103.635	103.635	0....	0.0
05	E1	3059...	R	212.167	212.167	0....	0.0
06	F1	1591...	R	100.766	100.766	0....	0.0
07	G1	2628...	R	179.521	179.521	0....	0.0
08	H1	1975...	R	129.940	129.940	0....	0.0
09	A2	4155...		11.527	11.527	0....	0.0
10	B2	1805...	R	117.012	117.012	0....	0.0
11	C2	2293...		-2.609	-2.609	0....	0.0
12	D2	1194...		70.616	70.616	0....	0.0
13	E2	8842...		47.095	47.095	0....	0.0
14	F2	2675...	R	183.093	183.093	0....	0.0
15	G2	3833...	R	-19.727	-19.727	0....	0.0
16	H2	5280...	R	-19.617	-19.617	0....	0.0
17	A3	1585...	R	100.320	100.320	0....	0.0
18	B3	1184...		69.890	69.890	0....	0.0
19	C3	2648...	R	181.021	181.021	0....	0.0
20	D3	2761...	R	189.610	189.610	0....	0.0
21	E3	1091...		62.819	62.819	0....	0.0
22	F3	2442...	R	165.338	165.338	0....	0.0
23	G3	2150...	R	143.211	143.211	0....	0.0
24	H3	2767...	R	190.039	190.039	0....	0.0
25	A4	3273...		4.832	4.832	0....	0.0
26	B4	6323...		27.976	27.976	0....	0.0
27	C4	1329...		80.874	80.874	0....	0.0
28	D4	1239...		74.076	74.076	0....	0.0
29	E4	1966...	R	129.242	129.242	0....	0.0
30	F4	1264...		75.947	75.947	0....	0.0
31	G4	6096...	R	-19.555	-19.555	0....	0.0
32	H4	3097...	R	-19.783	-19.783	0....	0.0
33	A5	8049...		41.077	41.077	0....	0.0
34	B5	1775...	R	114.769	114.769	0....	0.0
35	C5	3182...		4.134	4.134	0....	0.0
36	D5	6895...		32.324	32.324	0....	0.0
37	E5	7253...		35.038	35.038	0....	0.0
38	F5	2618...	R	178.749	178.749	0....	0.0
39	G5	3544...		6.884	6.884	0....	0.0
40	H5	6815...		31.714	31.714	0....	0.0

R - Outside standard range

Unk_Dilution

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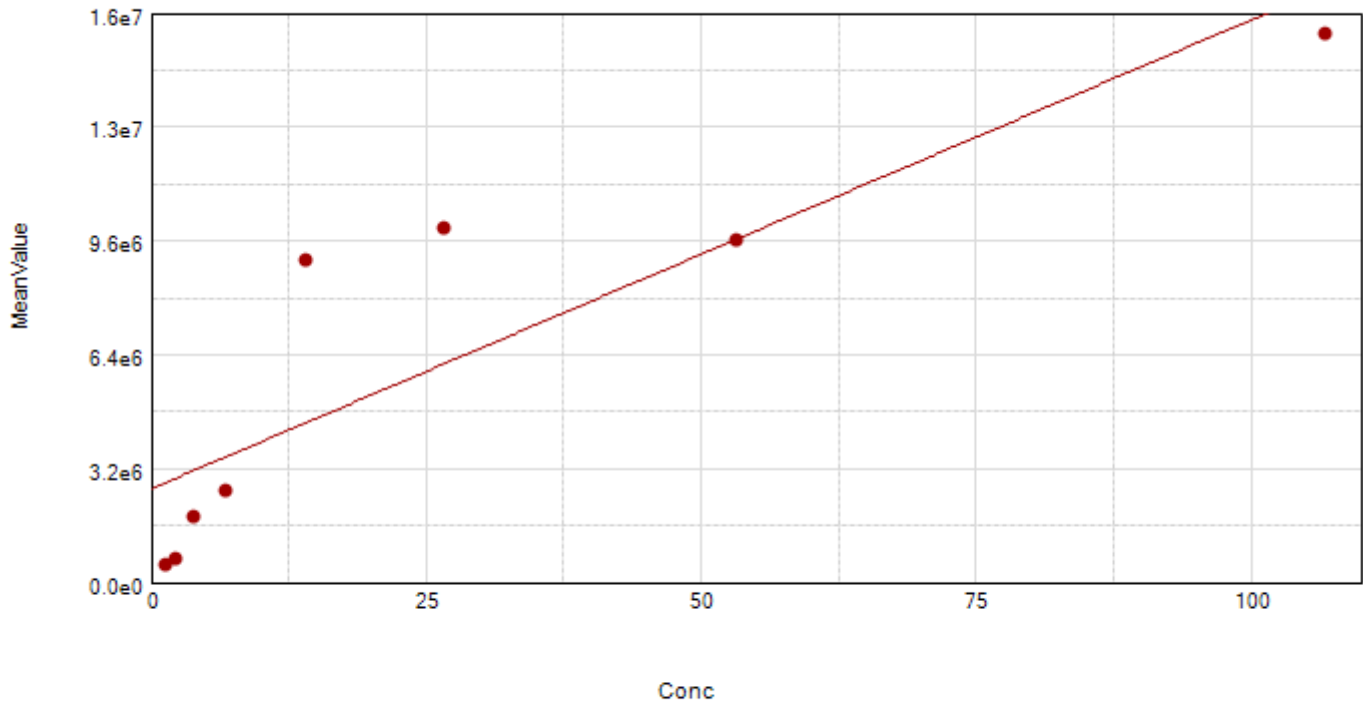
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StandardCurve



• Std (Standards: MeanVal... vs Conc)

Curve Fit Results ▼