

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

Plate2

	1	2	3	4	5	6	7	8	9	10	11	12
A	5.4e6	4.6e6	3.0e6	4.1e6	6.0e6	6.8e7	7.1e7	6.8e7	4.9e7	2061.0	997.04	918.04
B	2.7e6	2.9e6	3.2e6	9.9e6	8.8e6	7.0e7	4.8e7	5.0e7	3.6e7	868.04	-1023	-208.0
C	4.3e6	2.6e6	3.1e6	2.5e6	7.6e6	3.5e7	2.7e7	3.0e7	2.9e7	-1098	-1277	933.04
D	3.3e6	4.7e6	3.4e6	9.4e6	1.1e7	1.3e7	8.7e6	9.1e6	8.1e6	-1279	706.04	-949.0
E	2.4e6	4.0e6	2.9e6	3.9e6	7.8e6	7.5e6	5.8e6	3.7e6	4.5e6	4873.0	-939.0	3044.0
F	3.7e6	3.9e6	2.5e6	5.1e6	4.7e6	3.6e6	2.4e6	3.1e6	1.8e6	-84.96	-630.0	-590.0
G	1.6e6	4.0e6	3.0e6	3.4e6	5.4e6	1.6e6	1.9e6	1.5e6	1.1e6	-1768	-555.0	-436.0
H	2.4e6	3.3e6	1.5e6	3.6e6	4.1e6	7.7e5	7.0e5	5.8e5	6.3e5	-601.0	-820.0	-2143

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 : 10:17 AM
 4/19/2017
 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	125....	117.617	A6	6796...	64110100....	99...	15.5
		123.604	A7	7126...			
		117.377	A8	6782...			
		83.958	A9	4938...			
02	63.340	121.485	B6	7009...	50867525....	14...	28.0
		81.582	B7	4807...			
		84.301	B8	4957...			
		59.182	B9	3571...			
03	32.100	58.191	C6	3517...	30305753....	35...	11.6
		43.124	C7	2685...			
		48.694	C8	2993...			
		47.473	C9	2925...			
04	17.190	17.536	D6	1274...	9664428.292	20...	21.7
		10.161	D7	8672...			
		10.988	D8	9128...			
		9.151	D9	8115...			
05	7.860	7.975	E6	7466...	5360703.292	16...	30.4
		4.878	E7	5757...			
		1.236	E8	3748...			
		2.546	E9	4470...			
06	4.210	0.878	F6	3550...	2696603.292	77...	28.6
		-1.291	F7	2353...			
		0.022	F8	3078...			
		-2.288	F9	1803...			
07	2.720	-2.639	G6	1610...	1531843.292	35...	23.1
		-2.085	G7	1915...			
		-2.764	G8	1541...			
		-3.635	G9	1060...			
08	2.070	-4.157	H6	7727...	669294.292	84...	12.6
		-4.298	H7	6950...			
		-4.512	H8	5765...			
		-4.410	H9	6328...			

Smallest standard value: 669294.292

Largest standard value: 64110100.042

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	A1	5394...		4.220	4.220	0....	0.0
02	B1	2681...		-0.697	-0.697	0....	0.0
03	C1	4302...		2.240	2.240	0....	0.0
04	D1	3335...		0.488	0.488	0....	0.0
05	E1	2430...		-1.152	-1.152	0....	0.0
06	F1	3663...		1.082	1.082	0....	0.0
07	G1	1601...		-2.655	-2.655	0....	0.0
08	H1	2362...		-1.276	-1.276	0....	0.0
09	A2	4592...		2.766	2.766	0....	0.0
10	B2	2919...		-0.266	-0.266	0....	0.0
11	C2	2583...		-0.875	-0.875	0....	0.0
12	D2	4714...		2.988	2.988	0....	0.0
13	E2	4029...		1.745	1.745	0....	0.0
14	F2	3929...		1.565	1.565	0....	0.0
15	G2	3999...		1.691	1.691	0....	0.0
16	H2	3284...		0.396	0.396	0....	0.0
17	A3	3018...		-0.087	-0.087	0....	0.0
18	B3	3164...		0.179	0.179	0....	0.0
19	C3	3136...		0.127	0.127	0....	0.0
20	D3	3377...		0.564	0.564	0....	0.0
21	E3	2871...		-0.352	-0.352	0....	0.0
22	F3	2513...		-1.002	-1.002	0....	0.0
23	G3	3001...		-0.116	-0.116	0....	0.0
24	H3	1508...		-2.823	-2.823	0....	0.0
25	A4	4084...		1.846	1.846	0....	0.0
26	B4	9877...		12.346	12.346	0....	0.0
27	C4	2494...		-1.035	-1.035	0....	0.0
28	D4	9394...		11.470	11.470	0....	0.0
29	E4	3908...		1.527	1.527	0....	0.0
30	F4	5144...		3.767	3.767	0....	0.0
31	G4	3421...		0.644	0.644	0....	0.0
32	H4	3572...		0.918	0.918	0....	0.0
33	A5	6027...		5.367	5.367	0....	0.0
34	B5	8828...		10.445	10.445	0....	0.0
35	C5	7589...		8.199	8.199	0....	0.0
36	D5	1100...		14.389	14.389	0....	0.0
37	E5	7800...		8.580	8.580	0....	0.0
38	F5	4707...		2.975	2.975	0....	0.0
39	G5	5390...		4.214	4.214	0....	0.0
40	H5	4056...		1.796	1.796	0....	0.0

R - Outside standard range

Unk_Dilution

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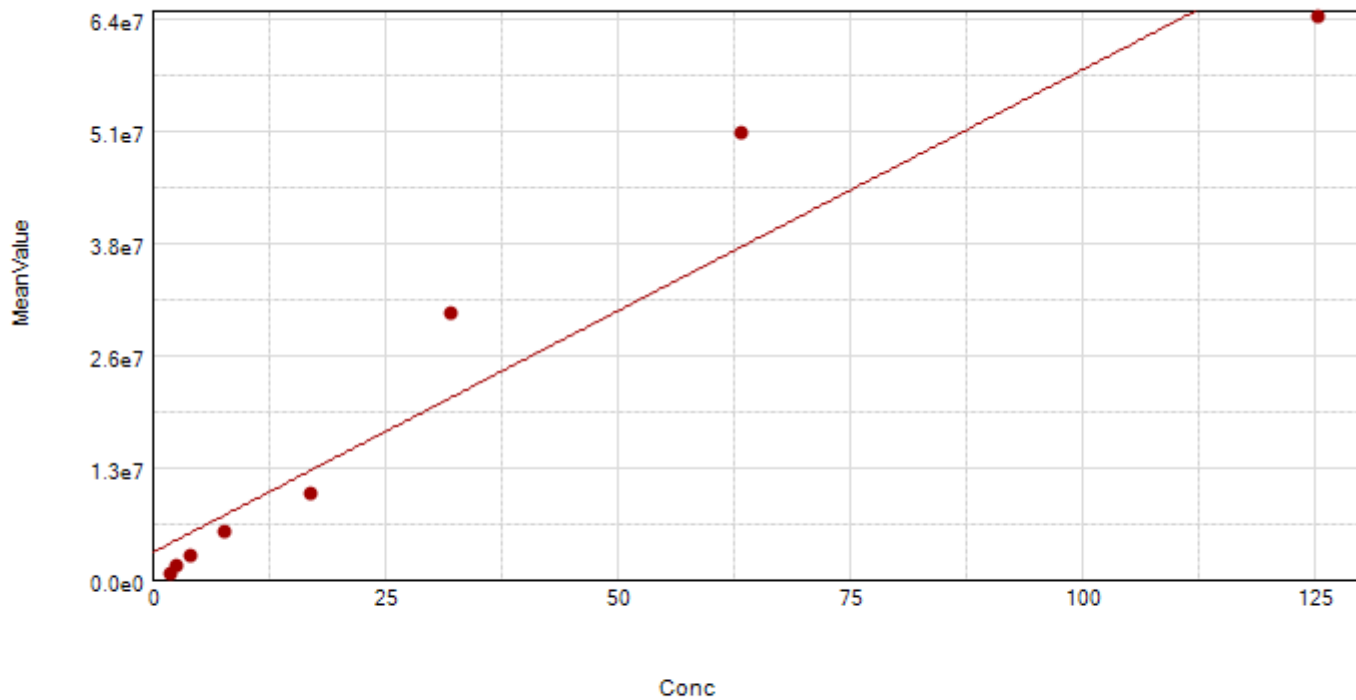
R - Outside standard range

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												
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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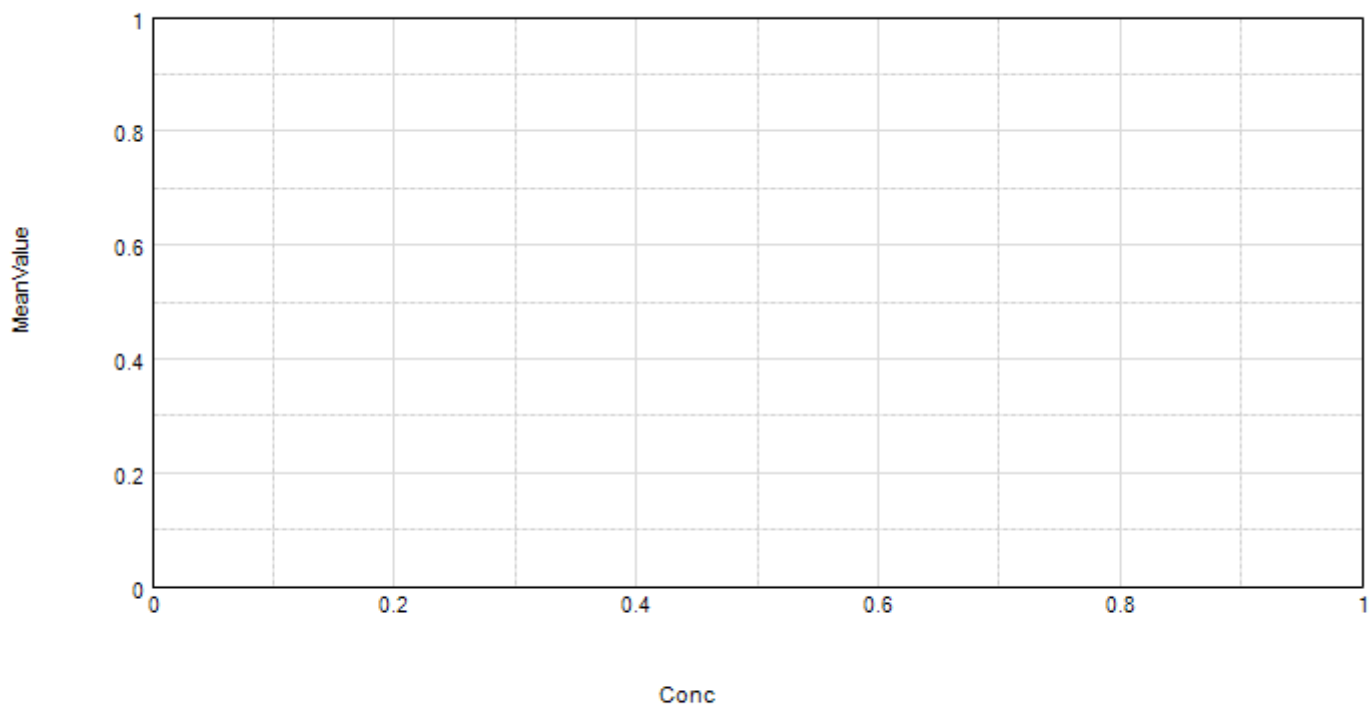
R - Outside standard range

Mean Adjusted Result:

Control

Sample	Wells	Sample#	Values	MeanValue
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StandardCurve



● Std (Standards: MeanVal... vs Conc)

Curve Fit Results ▼