

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
--------	------	--------------	-------	-------	-----------	----	----

Smallest standard value:

Largest standard value:

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
--------	-------	-------	---	--------	------------	----	----

R - Outside standard range

Unk_Dilution

Sample	Wells	Value	R	Result	MeanResult	SD	CV	Dilution	AdjResult
--------	-------	-------	---	--------	------------	----	----	----------	-----------

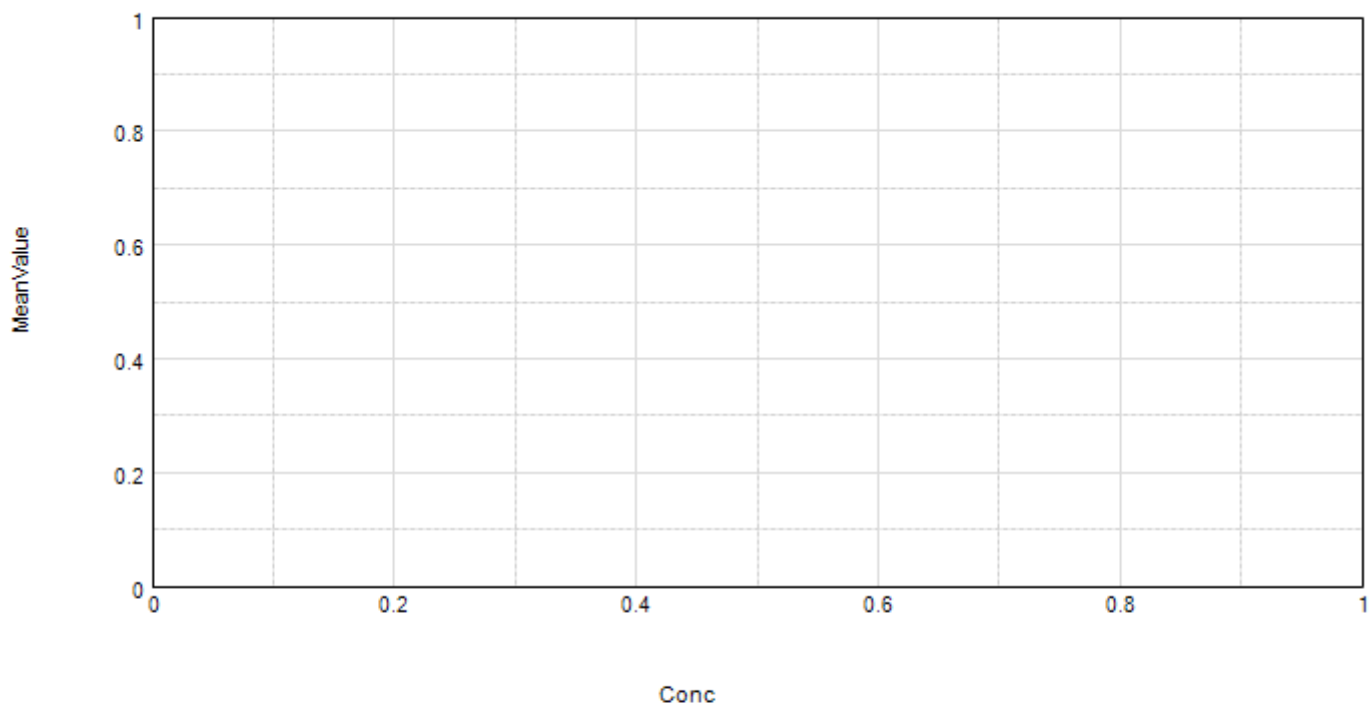
R - Outside standard range

Mean Adjusted Result:

Control

Sample	Wells	Sample#	Values	MeanValue
--------	-------	---------	--------	-----------

StandardCurve



● Std (Standards: MeanVal... vs Conc)

Curve Fit Results ▲

Curve Fit : Linear $y = A + Bx$

	Parameter	Estimated Value	Std. Error	Confidence Interval
Std $R^2 =$	A		No Data Available...	
	B		No Data Available...	

Plate1

	1	2	3	4	5	6	7	8	9	10	11	12
A	2.6e7	2.2e6	5.1e6	7.5e6	3.2e6	1.5e5	6.5e7	5.8e7	7.3e7	4.7e7	525.13	-1247
B	2.7e6	2.6e6	1.9e7	4.6e6	4.7e6	4.0e5	5.4e7	4.0e7	5.1e7	3.3e7	1039.1	-1410
C	4.6e6	1.2e7	5.4e6	2.5e6	1.0e7	3.9e5	3.7e7	2.9e7	3.3e7	3.7e7	-1113	1528.1
D	2.2e7	5.5e6	1.0e7	5.5e6	9.6e6	2.2e6	2.2e7	7.1e6	1.4e7	1.8e7	-6.875	179.13
E	1.6e7	4.0e6	2.0e7	3.5e6	5.0e6	8.6e6	8.1e6	7.3e6	7.8e6	5.6e6	126.13	-160.9
F	1.1e7	1.1e7	6.8e6	9.0e6	9.9e5	2.8e6	3.2e6	2.9e6	3.2e6	4.1e6	610.13	375.13
G	2.2e7	9.0e6	6.7e6	2.9e6	1.6e5	2.4e6	2.3e6	2.4e6	1.9e6	1.7e6	523.13	-282.9
H	1.1e5	1.3e6	2.0e6	4.5e6	1.4e5	1.3e6	5.1e5	6.5e5	6.5e5	8.6e5	-351.9	-333.9

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 : 4:01 PM
 4/19/2017
 Temperature Set Point : 37 °C
 Mean Temperature : 35 °C

Reduction Settings

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

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
01	125....	119.178	A7	6455...	60577889....	10...	17.5
		105.677	A8	5782...			
		135.092	A9	7250...			
		84.856	A10	4743...			
02	63.340	98.731	B7	5435...	44679875....	97...	21.9
		70.094	B8	4006...			
		92.153	B9	5107...			
		56.403	B10	3323...			
03	32.100	63.470	C7	3675...	33934356....	36...	10.8
		48.413	C8	2924...			
		55.588	C9	3282...			
		63.784	C10	3691...			
04	17.190	34.251	D7	2217...	15392135....	63...	41.2
		4.110	D8	7132...			
		18.787	D9	1445...			
		25.493	D10	1780...			
05	7.860	6.001	E7	8075...	7184298.125	11...	15.8
		4.375	E8	7264...			
		5.512	E9	7832...			
		0.968	E10	5564...			
06	4.210	-3.738	F7	3215...	3372021.375	52...	15.6
		-4.324	F8	2923...			
		-3.738	F9	3215...			
		-1.899	F10	4133...			
07	2.720	-5.532	G7	2320...	2089486.875	32...	15.4
		-5.370	G8	2401...			
		-6.366	G9	1904...			
		-6.711	G10	1732...			
08	2.070	-9.154	H7	5125...	667030.625	14...	21.4
		-8.878	H8	6504...			
		-8.884	H9	6473...			
		-8.463	H10	8577...			

Smallest standard value: 667030.625

Largest standard value: 60577889.125

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	A1	2640...		42.727	42.727	0....	0.0
02	B1	2654...		-4.863	-4.863	0....	0.0
03	C1	4560...		-1.044	-1.044	0....	0.0
04	D1	2206...		34.025	34.025	0....	0.0
05	E1	1578...		21.446	21.446	0....	0.0
06	F1	1117...		12.204	12.204	0....	0.0
07	G1	2219...		34.297	34.297	0....	0.0
08	H1	1139...	R	-9.953	-9.953	0....	0.0
09	A2	2227...		-5.718	-5.718	0....	0.0
10	B2	2599...		-4.972	-4.972	0....	0.0
11	C2	1219...		14.252	14.252	0....	0.0
12	D2	5494...		0.828	0.828	0....	0.0
13	E2	4002...		-2.162	-2.162	0....	0.0
14	F2	1123...		12.332	12.332	0....	0.0
15	G2	9034...		7.921	7.921	0....	0.0
16	H2	1297...		-7.581	-7.581	0....	0.0
17	A3	5141...		0.120	0.120	0....	0.0
18	B3	1922...		28.340	28.340	0....	0.0
19	C3	5356...		0.552	0.552	0....	0.0
20	D3	1020...		10.259	10.259	0....	0.0
21	E3	2031...		30.525	30.525	0....	0.0
22	F3	6756...		3.357	3.357	0....	0.0
23	G3	6652...		3.149	3.149	0....	0.0
24	H3	2004...		-6.166	-6.166	0....	0.0
25	A4	7520...		4.888	4.888	0....	0.0
26	B4	4630...		-0.903	-0.903	0....	0.0
27	C4	2476...		-5.220	-5.220	0....	0.0
28	D4	5514...		0.868	0.868	0....	0.0
29	E4	3526...		-3.116	-3.116	0....	0.0
30	F4	9034...		7.921	7.921	0....	0.0
31	G4	2914...		-4.341	-4.341	0....	0.0
32	H4	4461...		-1.243	-1.243	0....	0.0
33	A5	3170...		-3.828	-3.828	0....	0.0
34	B5	4693...		-0.777	-0.777	0....	0.0
35	C5	1009...		10.038	10.038	0....	0.0
36	D5	9575...		9.005	9.005	0....	0.0
37	E5	4995...		-0.172	-0.172	0....	0.0
38	F5	9864...		-8.205	-8.205	0....	0.0
39	G5	1566...	R	-9.868	-9.868	0....	0.0
40	H5	1379...	R	-9.905	-9.905	0....	0.0
41	A6	1450...	R	-9.891	-9.891	0....	0.0
42	B6	4043...	R	-9.371	-9.371	0....	0.0
43	C6	3917...	R	-9.396	-9.396	0....	0.0
44	D6	2209...		-5.754	-5.754	0....	0.0
45	E6	8566...		6.983	6.983	0....	0.0
46	F6	2809...		-4.552	-4.552	0....	0.0
47	G6	2407...		-5.357	-5.357	0....	0.0
48	H6	1272...		-7.632	-7.632	0....	0.0

R - Outside standard range

Unk_Dilution

Sample	Wells	Value	R	Result	MeanResult	SD	CV	Dilution	AdjResult
--------	-------	-------	---	--------	------------	----	----	----------	-----------

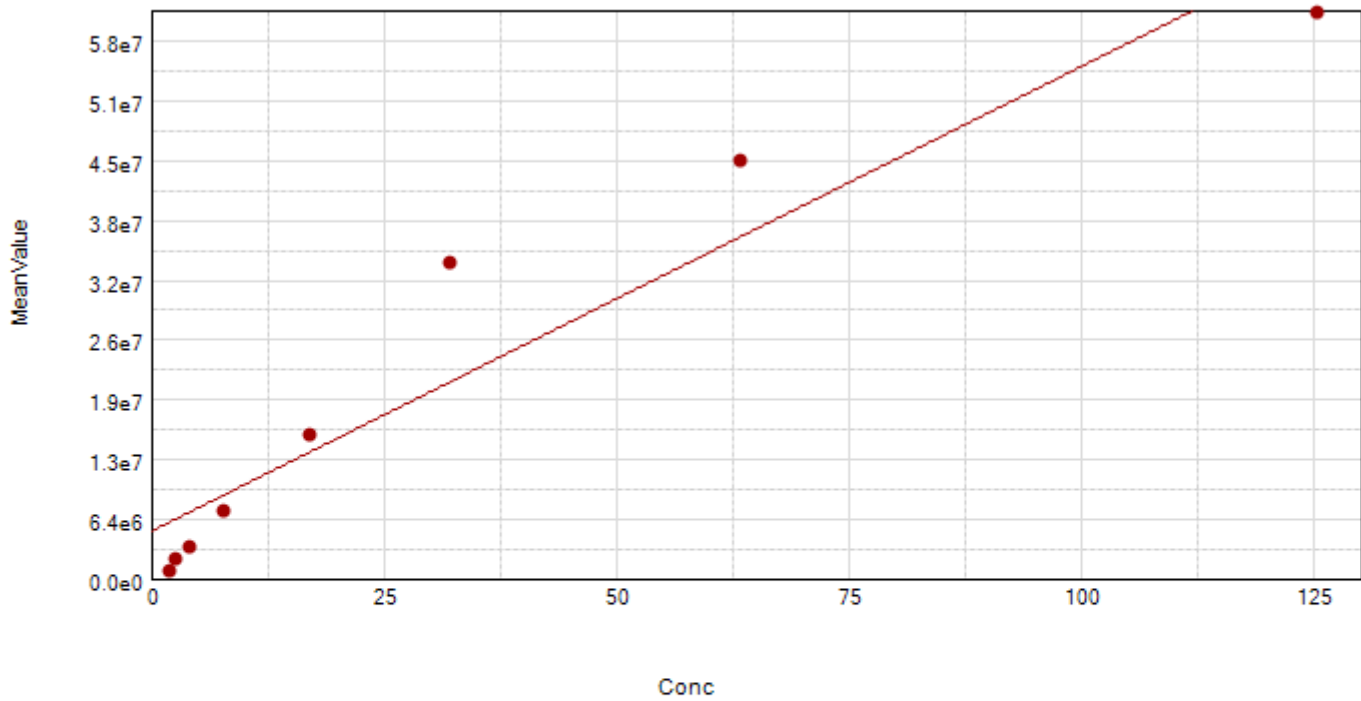
R - Outside standard range

Mean Adjusted Result:

Control

Sample	Wells	Sample#	Values	MeanValue
--------	-------	---------	--------	-----------

StandardCurve



● Std (Standards: MeanVal... vs Conc)

Curve Fit Results ▲

Curve Fit : Linear $y = A + Bx$

	Parameter	Estimated Value	Std. Error	Confidence Interval
Std $R^2 = 0.903$	A	5.08e+6	3.43e+6	[-3.32e+6, 1.35e+7]
	B	4.99e+5	6.67e+4	[3.36e+5, 6.62e+5]