

## 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	1.4e7	1.8e6	2.1e5	4.2e4	1.2e7	1.9e6	2.4e5	3.9e4	1.2e7	1.8e6	2.1e5	3.3e4
B	3.5e5	2.9e5	3.5e5	3.5e5	3.5e5	4.4e5	3.6e5	4.1e5	6.5e5	4.0e5	5.3e5	3.6e5
C	4.5e5	3.4e5	4.5e5	3.6e5	3.7e5	4.0e5	3.4e5	3.5e5	2.9e5	3.6e5	3.0e5	3.1e5
D	919.00	872.00	956.00	840.00	944.00	907.00	875.00	855.00	851.00	870.00	908.00	816.00
E	993.00	877.00	884.00	872.00	837.00	901.00	857.00	906.00	844.00	748.00	876.00	839.00
F	814.00	901.00	864.00	869.00	869.00	948.00	854.00	842.00	893.00	871.00	800.00	847.00
G	824.00	898.00	873.00	896.00	923.00	854.00	935.00	908.00	910.00	814.00	918.00	930.00
H	897.00	919.00	868.00	823.00	848.00	821.00	917.00	964.00	878.00	858.00	839.00	930.00

**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**

FilterMax F5  
 ROM vV1.1 b32 10.12.2010  
 Start Read : 11:03 AM  
 12/23/2014

Mean Temperature : 24.5 °C

**Reduction Settings**

Wavelength Combination : !Lm1

**Standards**

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
standard	10.000	11.172	A1	1376...	12310808....	12...	10.2
		9.325	A5	1152...			
		9.414	A9	1163...			
standar...	1.000	1.310	A2	1817...	1815671.333	60...	3.3
		1.357	A6	1875...			
		1.257	A10	1753...			
standar...	0.100	-0.014	A3	2142...	220963.667	20...	9.1
		0.010	A7	2435...			
		-0.022	A11	2051...			
standar...	0.010	-0.156	A4	4191...	37849.000	48...	12.8
		-0.159	A8	3912...			
		-0.164	A12	3250...			

Smallest standard value: 37849.000

Largest standard value: 12310808.333

**Unknowns**

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	B1	3541...		0.101	0.101	0....	0.0
02	B2	2874...		0.046	0.046	0....	0.0
03	B3	3530...		0.100	0.100	0....	0.0
04	B4	3451...		0.094	0.094	0....	0.0
05	B5	3520...		0.100	0.100	0....	0.0
06	B6	4434...		0.175	0.175	0....	0.0
07	B7	3581...		0.105	0.105	0....	0.0
08	B8	4063...		0.144	0.144	0....	0.0
09	B9	6476...		0.344	0.344	0....	0.0
10	B10	3959...		0.136	0.136	0....	0.0
11	B11	5251...		0.243	0.243	0....	0.0
12	B12	3639...		0.110	0.110	0....	0.0
13	C1	4539...		0.184	0.184	0....	0.0
14	C2	3393...		0.089	0.089	0....	0.0
15	C3	4459...		0.177	0.177	0....	0.0
16	C4	3565...		0.103	0.103	0....	0.0
17	C5	3726...		0.117	0.117	0....	0.0
18	C6	4048...		0.143	0.143	0....	0.0
19	C7	3350...		0.086	0.086	0....	0.0
20	C8	3492...		0.097	0.097	0....	0.0
21	C9	2879...		0.047	0.047	0....	0.0
22	C10	3572...		0.104	0.104	0....	0.0
23	C11	2960...		0.053	0.053	0....	0.0
24	C12	3055...		0.061	0.061	0....	0.0

R - Outside standard range

**Unk\_Dilution**

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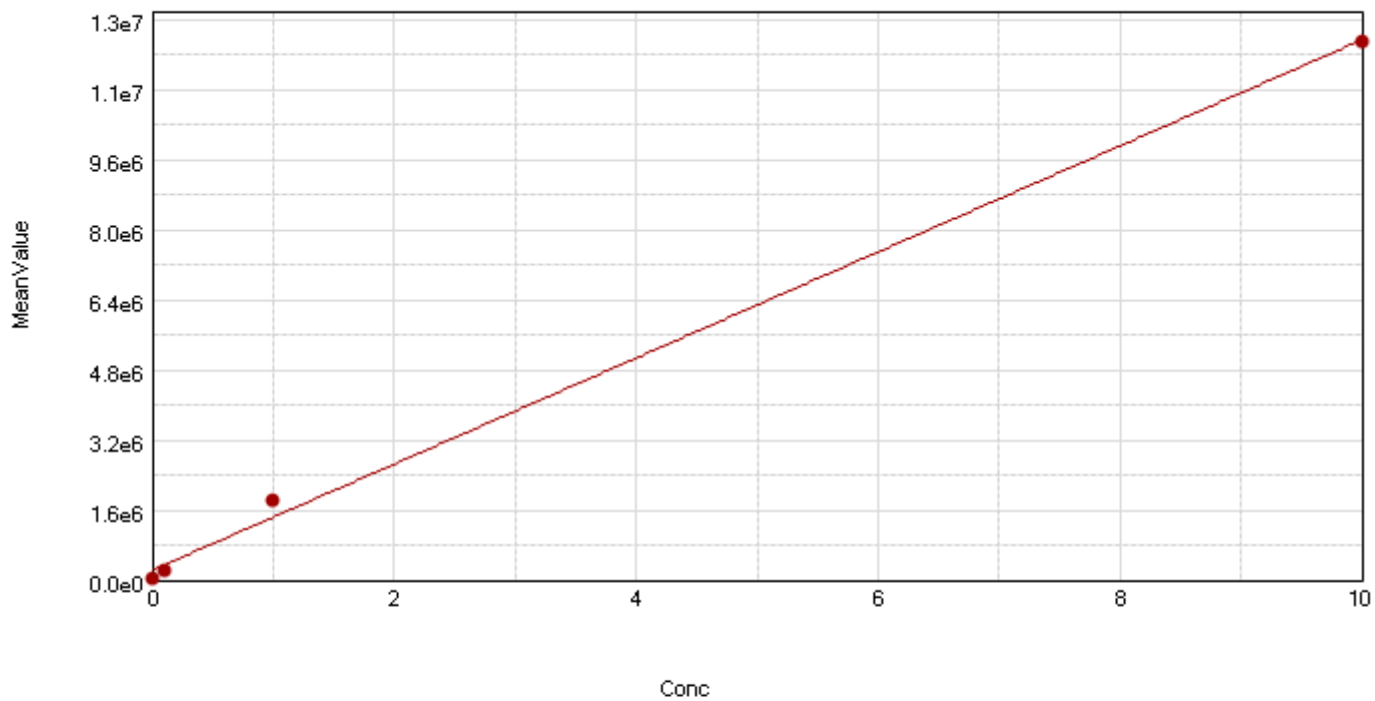
R - Outside standard range

Mean Adjusted Result:

**Control**

Sample	Wells	Sample#	Values	MeanValue
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### StandardCurve



● Std ( Standards: MeanVal... vs Conc )

Curve Fit Results ▲

Curve Fit : Linear  $y = A + Bx$

	Parameter	Estimated Value	Std. Error	Confidence Interval
Std $R^2 = 0.998$	A	2.31e+5	1.90e+5	[-5.85e+5, 1.05e+6]
	B	1.21e+6	3.77e+4	[1.05e+6, 1.37e+6]