

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	5.6e5	-5.6e5	-5.5e5	-2.6e5	3.6e5	2.9e5	7.4e6	3.8e6	3.1e5	2.8e5	2.7e5	1.2e4
B	5.4e6	4.8e6	-7.7e5	1.9e5	6.0e5	6.9e5	3.7e6	3.0e6	6.9e5	5.1e5	-8.0e5	-8.9e5
C	1.1e7	1.0e7	-6.0e5	-9.4e5	-4.6e5	-5.5e4	3.7e6	2.8e6	2.0e6	8.5e5	-1.2e6	-8.1e5
D	7.7e6	7.5e6	2.1e5	3.6e5	2.4e6	3.0e6	4.2e6	2.8e6	1.5e6	1.3e6	-8.3e5	-8.2e5
E	2.8e7	2.8e7	-1.6e5	-1.1e5	2.0e6	2.2e6	7.7e6	4.2e6	-9.6e5	-9.1e5	-2.7e6	-2.6e6
F	5.4e7	5.5e7	6.1e5	1.6e6	7.3e5	1.2e6	2.3e6	1.4e6	-1.0e6	-9.4e5	-2.7e6	1.1e7
G	1.0e8	1.0e8	4.8e6	4.6e6	2.6e6	2.7e6	-2.0e5	-4.7e5	-9.6e5	-1.3e6	5.0e6	5.1e6
H	2.9e8	3.0e8	5.7e5	8.7e5	6.3e6	7.0e6	6.4e6	3.0e6	-7.0e5	-8.8e5	-2.8e4	4.3e5

Settings Information

Endpoint
 Fluorescence
 Lm1 535, 595
 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 : 6:49 PM
 7/16/2015
 Mean Temperature : 25.5 °C

Reduction Settings

Plate Blank Used : Lm1 = 3.4e6
 Wavelength Combination : !Lm1

Standards

Sample	Concentration pg	BackCalcConc	Wells	Value	MeanValue	SD	CV
01	0.500	-7.049 -7.254	B1	5410...	5128987.500	39...	7.8
			B2	4847...			
02	1.000	-5.136 -5.234	C1	1068...	10546387....	19...	1.8
			C2	1041...			
03	1.500	-6.200 -6.283	D1	7749...	7635410.500	16...	2.1
			D2	7521...			
04	2.500	1.077 1.280	E1	2779...	28076099....	39...	1.4
			E2	2835...			
05	5.000	10.554 11.064	F1	5390...	54606678....	99...	1.8
			F2	5530...			
06	10.000	29.071 28.999	G1	1049...	104815830...	13...	0.1
			G2	1047...			
07	100.000	96.743 99.367	H1	2913...	294954742...	51...	1.7
			H2	2985...			

Smallest standard value: 5128987.500

Largest standard value: 294954742.000

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	A3	-5495...	R	-9.213	-9.161	0....	0.8
	A4	-2621...	R	-9.108			
02	B3	-7686...	R	-9.292	-9.118	0....	2.7
	B4	1888...	R	-8.945			
03	C3	-5951...	R	-9.229	-9.291	0....	0.9
	C4	-9378...	R	-9.354			
04	D3	2124...	R	-8.936	-8.909	0....	0.4
	D4	3629...	R	-8.881			
05	E3	-1620...	R	-9.072	-9.063	0....	0.1
	E4	-1131...	R	-9.054			
06	F3	6122...	R	-8.791	-8.619	0....	2.8
	F4	1557...	R	-8.448			
07	G3	4753...	R	-7.288	-7.316	0....	0.5
	G4	4598...	R	-7.344			
08	H3	5719...	R	-8.806	-8.751	0....	0.9
	H4	8706...	R	-8.697			
09	A5	3602...	R	-8.882	-8.896	0....	0.2
	A6	2856...	R	-8.910			
10	B5	5962...	R	-8.797	-8.780	0....	0.3
	B6	6858...	R	-8.764			
11	C5	-4575...	R	-9.179	-9.106	0....	1.1
	C6	-5503...	R	-9.033			
12	D5	2385...	R	-8.147	-8.029	0....	2.1
	D6	3035...	R	-7.911			
13	E5	2047...	R	-8.270	-8.250	0....	0.4
	E6	2160...	R	-8.229			
14	F5	7346...	R	-8.747	-8.669	0....	1.3
	F6	1163...	R	-8.591			
15	G5	2584...	R	-8.075	-8.052	0....	0.4
	G6	2713...	R	-8.028			
16	H5	6333...		-6.714	-6.597	0....	2.5
	H6	6977...		-6.480			
17	A7	7419...		-6.320	-6.980	0....	13.4
	A8	3780...	R	-7.641			
18	B7	3718...	R	-7.663	-7.789	0....	2.3
	B8	3023...	R	-7.916			
19	C7	3654...	R	-7.687	-7.844	0....	2.8
	C8	2788...	R	-8.001			
20	D7	4158...	R	-7.504	-7.750	0....	4.5
	D8	2801...	R	-7.996			
21	E7	7681...		-6.225	-6.860	0....	13.1
	E8	4179...	R	-7.496			
22	F7	2251...	R	-8.196	-8.353	0....	2.7
	F8	1384...	R	-8.511			
23	G7	-1973...	R	-9.085	-9.134	0....	0.8
	G8	-4701...	R	-9.184			
24	H7	6370...		-6.701	-7.321	0....	12.0
	H8	2954...	R	-7.941			
25	A9	3061...	R	-8.902	-8.906	0....	0.1
	A10	2842...	R	-8.910			
26	B9	6869...	R	-8.764	-8.797	0....	0.5
	B10	5065...	R	-8.829			
27	C9	2001...	R	-8.286	-8.496	0....	3.5
	C10	8489...	R	-8.705			
28	D9	1464...	R	-8.482	-8.514	0....	0.5
	D10	1287...	R	-8.546			
29	E9	-9597...	R	-9.362	-9.352	0....	0.1
	E10	-9084...	R	-9.343			
30	F9	-9972...	R	-9.375	-9.365	0....	0.2

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
	F10	-9392...	R	-9.354			
31	G9	-9601...	R	-9.362	-9.427	0....	1.0
	G10	-1321...	R	-9.493			
32	H9	-7039...	R	-9.269	-9.300	0....	0.5
	H10	-8762...	R	-9.331			
33	A11	2660...	R	-8.917	-8.963	0....	0.7
	A12	1180...	R	-9.009			
34	B11	-7961...	R	-9.302	-9.319	0....	0.3
	B12	-8909...	R	-9.337			
35	C11	-1165...	R	-9.436	-9.371	0....	1.0
	C12	-8054...	R	-9.306			
36	D11	-8303...	R	-9.315	-9.313	0....	0.0
	D12	-8220...	R	-9.312			

R - Outside standard range

Unk_Dilution

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

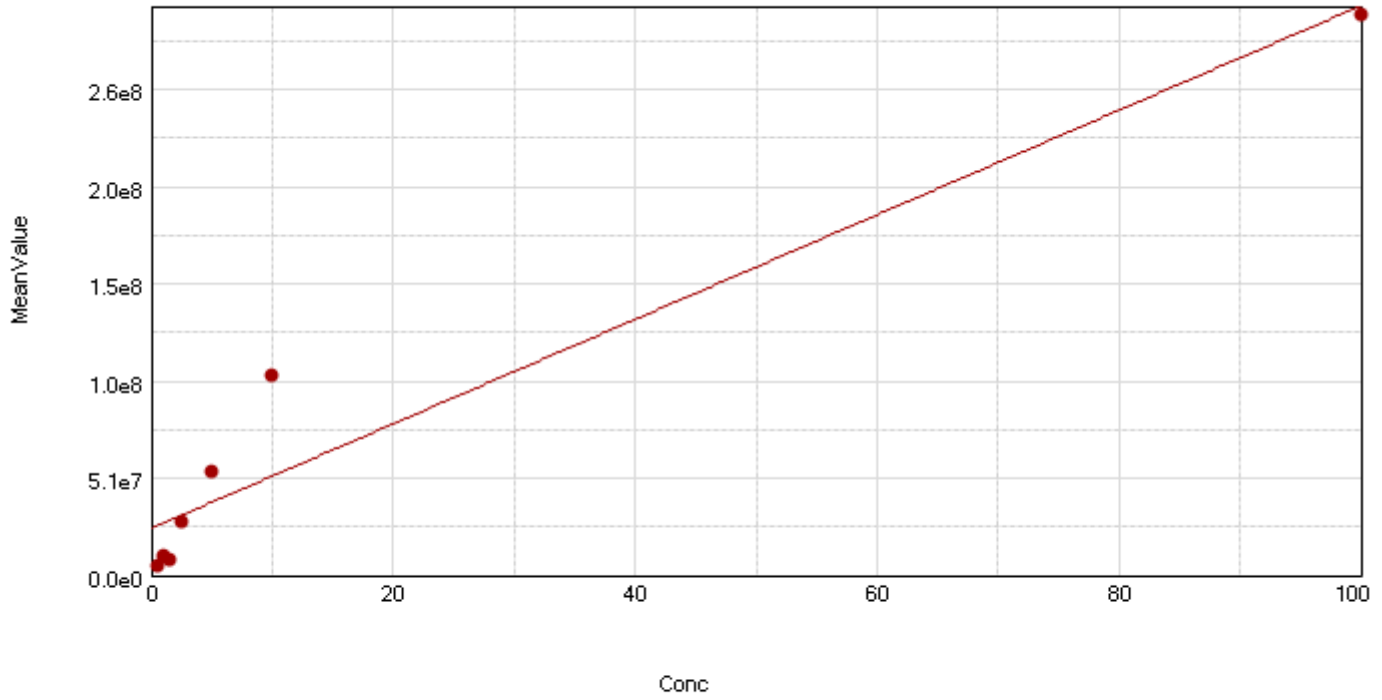
R - Outside standard range

Mean Adjusted Result:

Control

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

StandardCurve



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

Curve Fit Results ▼