

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	7141.0	2.3e4	1.5e4	6209.0	3.4e4	1.1e4	1362.0	1375.0	1441.0	1500.0	1342.0	1385.0
B	3.6e7	6.9e6	4.8e5	6.4e4	3.2e7	4.8e6	3.7e5	6.1e4	3.3e7	6.1e6	7.8e5	8.2e4
C	1.1e6	2.4e6	1.7e6	2.1e6	1.9e6	1.7e6	2.8e6	2.5e6	1.4e4	1332.0	1432.0	1273.0
D	6.9e5	1.6e6	2.6e6	1.1e6	1.5e6	9.7e5	9.1e5	1.7e6	1.4e4	1229.0	1419.0	1309.0
E	1.2e6	5.1e5	1.7e6	5.8e5	2.5e6	1.3e6	1.5e6	6.3e5	1.3e4	1405.0	1369.0	1266.0
F	8.7e5	1.9e6	1.1e6	1.3e6	1.1e6	1.0e6	2.6e6	2.6e6	1.3e4	1296.0	1335.0	1330.0
G	5.5e5	1.3e6	2.0e6	1.2e6	1.1e6	1.2e6	7.4e5	1.3e6	1.3e4	1353.0	1444.0	1368.0
H	1.0e6	4.8e5	1.3e6	4.6e5	1.8e6	1.2e6	1.2e6	5.0e5	1.3e4	1352.0	1276.0	1398.0

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 : 3:27 PM
 1/12/2015

Mean Temperature : 24.5 °C

Reduction Settings

Wavelength Combination : !Lm1

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
01	100....	107.538	B1	36161964.000	33525411....	23...	7.0
		93.892	B5	31688480.000			
		97.056	B9	32725790.000			
02	10.000	18.127	B2	6851535.000	5918812.000	10...	17.7
		11.826	B6	4785857.000			
		15.893	B10	6119044.000			
03	1.000	-1.319	B3	476671.000	543447.000	21...	38.8
		-1.632	B7	374060.000			
		-0.395	B11	779610.000			
04	0.100	-2.577	B4	64377.000	69254.667	11...	16.2
		-2.586	B8	61277.000			
		-2.523	B12	82110.000			

Smallest standard value: 69254.667

Largest standard value: 33525411.333

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	C1	1064...		0.473	0.473	0....	0.0
02	C2	2390...		4.519	4.519	0....	0.0
03	C3	1719...		2.473	2.473	0....	0.0
04	C4	2135...		3.743	3.743	0....	0.0
05	C5	1936...		3.135	3.135	0....	0.0
06	C6	1670...		2.324	2.324	0....	0.0
07	C7	2775...		5.694	5.694	0....	0.0
08	C8	2459...		4.729	4.729	0....	0.0
09	C9	1419...	R	-2.730	-2.730	0....	0.0
10	D1	6926...		-0.660	-0.660	0....	0.0
11	D2	1561...		1.989	1.989	0....	0.0
12	D3	2649...		5.309	5.309	0....	0.0
13	D4	1101...		0.587	0.587	0....	0.0
14	D5	1531...		1.900	1.900	0....	0.0
15	D6	9727...		0.194	0.194	0....	0.0
16	D7	9144...		0.016	0.016	0....	0.0
17	D8	1731...		2.508	2.508	0....	0.0
18	D9	1377...	R	-2.731	-2.731	0....	0.0
19	E1	1177...		0.818	0.818	0....	0.0
20	E2	5112...		-1.214	-1.214	0....	0.0
21	E3	1689...		2.382	2.382	0....	0.0
22	E4	5815...		-0.999	-0.999	0....	0.0
23	E5	2505...		4.871	4.871	0....	0.0
24	E6	1317...		1.245	1.245	0....	0.0
25	E7	1455...		1.668	1.668	0....	0.0
26	E8	6273...		-0.860	-0.860	0....	0.0
27	E9	1286...	R	-2.734	-2.734	0....	0.0
28	F1	8726...		-0.111	-0.111	0....	0.0
29	F2	1878...		2.957	2.957	0....	0.0
30	F3	1062...		0.469	0.469	0....	0.0
31	F4	1310...		1.226	1.226	0....	0.0
32	F5	1094...		0.565	0.565	0....	0.0
33	F6	1022...		0.346	0.346	0....	0.0
34	F7	2601...		5.163	5.163	0....	0.0
35	F8	2573...		5.077	5.077	0....	0.0
36	F9	1266...	R	-2.735	-2.735	0....	0.0
37	G1	5458...		-1.108	-1.108	0....	0.0
38	G2	1339...		1.312	1.312	0....	0.0
39	G3	1950...		3.178	3.178	0....	0.0
40	G4	1176...		0.817	0.817	0....	0.0
41	G5	1121...		0.648	0.648	0....	0.0
42	G6	1176...		0.815	0.815	0....	0.0
43	G7	7446...		-0.502	-0.502	0....	0.0
44	G8	1283...		1.141	1.141	0....	0.0
45	G9	1264...	R	-2.735	-2.735	0....	0.0
46	H1	9981...		0.271	0.271	0....	0.0
47	H2	4762...		-1.321	-1.321	0....	0.0
48	H3	1338...		1.309	1.309	0....	0.0
49	H4	4605...		-1.368	-1.368	0....	0.0
50	H5	1798...		2.712	2.712	0....	0.0
51	H6	1230...		0.981	0.981	0....	0.0
52	H7	1161...		0.770	0.770	0....	0.0
53	H8	4987...		-1.252	-1.252	0....	0.0
54	H9	1308...	R	-2.733	-2.733	0....	0.0

R - Outside standard range

Unk_Dilution

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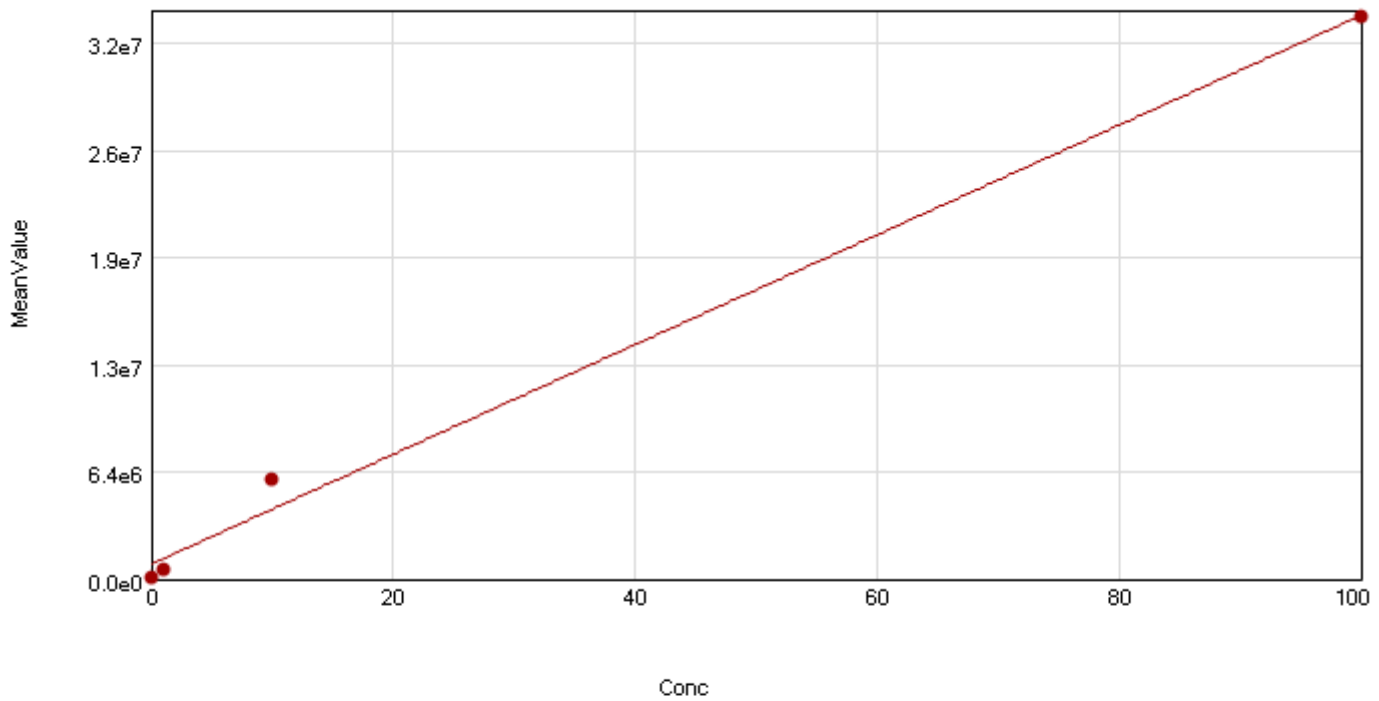
R - Outside standard range

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 $R^2 = 0.994$	A	9.09e+5	8.76e+5	[-2.86e+6, 4.68e+6]
	B	3.28e+5	1.74e+4	[2.53e+5, 4.03e+5]