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	1.8e7	1.5e6	1.8e5	2.7e4	1.9e7	1.5e6	1.9e5	2.8e4	1.4e7	1.5e6	1.9e5	2.9e4
B	4.4e5	9.1e5	6.8e5	6.7e5	5.4e5	4.4e5	3.9e5	3.2e5	2.6e5	4.7e5	3.1e5	3.8e5
C	4.9e5	4.1e5	3.8e5	2.9e5	2.6e5	5.2e5	2.2e5	6.3e5	2.2e5	3.7e5	3.6e5	2.6e5
D	4.1e5	3.4e5	5.5e5	3.1e5	4.3e5	5.9e5	5.3e5	3.2e5	4.6e5	4.9e5	4.3e5	5.5e5
E	5.1e5	4.8e5	4.0e5	4.8e5	3.8e5	5.0e5	3.5e5	3.2e5	4.4e5	4.2e5	3.5e5	4.4e5
F	4.3e5	4.4e5	3.8e5	3.5e5	3.0e5	3.0e5	3.7e5	5.3e5	3.5e5	3.6e5	3.6e5	5.3e5
G	3.0e5	3.6e5	4.9e5	3.7e5	3.2e5	2.3e5	5.8e5	2.9e5	3.0e5	7.8e5	4.3e5	2.6e5
H	2.4e5	4.8e5	2.9e5	1.1e6	5.4e5	2.4e5	2.5e5	3.1e5	2.4e5	2.3e5	3.4e5	2.7e5

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 : 3:44 PM
12/16/2014

Mean Temperature : 27.5 °C

Reduction Settings

Wavelength Combination : !Lm1

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
standard	10.000	10.831	A1	1842...	17017592....	29...	17.2
		11.161	A5	1898...			
		8.029	A9	1364...			
standar...	1.000	0.934	A2	1548...	1537726.000	15...	1.0
		0.931	A6	1544...			
		0.917	A10	1519...			
standar...	0.100	0.132	A3	1824...	186036.333	36...	2.0
		0.134	A7	1859...			
		0.136	A11	1897...			
standar...	0.010	0.041	A4	2730...	28132.333	77...	2.8
		0.042	A8	2824...			
		0.042	A12	2885...			

Smallest standard value: 28132.333

Largest standard value: 17017592.667

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	B1	4421...		0.285	0.285	0....	0.0
02	B2	9081...		0.558	0.558	0....	0.0
03	B3	6813...		0.425	0.425	0....	0.0
04	B4	6742...		0.421	0.421	0....	0.0
05	B5	5406...		0.342	0.342	0....	0.0
06	B6	4400...		0.283	0.283	0....	0.0
07	B7	3900...		0.254	0.254	0....	0.0
08	B8	3241...		0.215	0.215	0....	0.0
09	B9	2616...		0.179	0.179	0....	0.0
10	B10	4683...		0.300	0.300	0....	0.0
11	B11	3056...		0.204	0.204	0....	0.0
12	B12	3808...		0.249	0.249	0....	0.0
13	C1	4872...		0.311	0.311	0....	0.0
14	C2	4110...		0.266	0.266	0....	0.0
15	C3	3770...		0.246	0.246	0....	0.0
16	C4	2927...		0.197	0.197	0....	0.0
17	C5	2611...		0.178	0.178	0....	0.0
18	C6	5205...		0.330	0.330	0....	0.0
19	C7	2200...		0.154	0.154	0....	0.0
20	C8	6338...		0.397	0.397	0....	0.0
21	C9	2174...		0.153	0.153	0....	0.0
22	C10	3654...		0.240	0.240	0....	0.0
23	C11	3588...		0.236	0.236	0....	0.0
24	C12	2605...		0.178	0.178	0....	0.0
25	D1	4105...		0.266	0.266	0....	0.0
26	D2	3446...		0.227	0.227	0....	0.0
27	D3	5543...		0.350	0.350	0....	0.0
28	D4	3134...		0.209	0.209	0....	0.0
29	D5	4257...		0.275	0.275	0....	0.0
30	D6	5902...		0.371	0.371	0....	0.0
31	D7	5332...		0.338	0.338	0....	0.0
32	D8	3200...		0.213	0.213	0....	0.0
33	D9	4635...		0.297	0.297	0....	0.0
34	D10	4861...		0.310	0.310	0....	0.0
35	D11	4253...		0.275	0.275	0....	0.0
36	D12	5472...		0.346	0.346	0....	0.0
37	E1	5083...		0.323	0.323	0....	0.0
38	E2	4837...		0.309	0.309	0....	0.0
39	E3	4031...		0.262	0.262	0....	0.0
40	E4	4750...		0.304	0.304	0....	0.0
41	E5	3766...		0.246	0.246	0....	0.0
42	E6	4982...		0.317	0.317	0....	0.0
43	E7	3454...		0.228	0.228	0....	0.0
44	E8	3179...		0.212	0.212	0....	0.0
45	E9	4432...		0.285	0.285	0....	0.0
46	E10	4208...		0.272	0.272	0....	0.0
47	E11	3514...		0.231	0.231	0....	0.0
48	E12	4362...		0.281	0.281	0....	0.0
49	F1	4345...		0.280	0.280	0....	0.0
50	F2	4394...		0.283	0.283	0....	0.0
51	F3	3776...		0.247	0.247	0....	0.0
52	F4	3461...		0.228	0.228	0....	0.0
53	F5	3020...		0.202	0.202	0....	0.0
54	F6	3007...		0.202	0.202	0....	0.0
55	F7	3730...		0.244	0.244	0....	0.0
56	F8	5297...		0.336	0.336	0....	0.0
57	F9	3528...		0.232	0.232	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
58	F10	3601...		0.236	0.236	0....	0.0
59	F11	3551...		0.234	0.234	0....	0.0
60	F12	5299...		0.336	0.336	0....	0.0
61	G1	3037...		0.203	0.203	0....	0.0
62	G2	3572...		0.235	0.235	0....	0.0
63	G3	4938...		0.315	0.315	0....	0.0
64	G4	3733...		0.244	0.244	0....	0.0
65	G5	3154...		0.210	0.210	0....	0.0
66	G6	2347...		0.163	0.163	0....	0.0
67	G7	5831...		0.367	0.367	0....	0.0
68	G8	2913...		0.196	0.196	0....	0.0
69	G9	2964...		0.199	0.199	0....	0.0
70	G10	7822...		0.484	0.484	0....	0.0
71	G11	4344...		0.280	0.280	0....	0.0
72	G12	2634...		0.180	0.180	0....	0.0
73	H1	2407...		0.166	0.166	0....	0.0
74	H2	4772...		0.305	0.305	0....	0.0
75	H3	2909...		0.196	0.196	0....	0.0
76	H4	1120...		0.683	0.683	0....	0.0
77	H5	5449...		0.345	0.345	0....	0.0
78	H6	2430...		0.168	0.168	0....	0.0
79	H7	2497...		0.172	0.172	0....	0.0
80	H8	3112...		0.208	0.208	0....	0.0
81	H9	2387...		0.165	0.165	0....	0.0
82	H10	2329...		0.162	0.162	0....	0.0
83	H11	3413...		0.225	0.225	0....	0.0
84	H12	2740...		0.186	0.186	0....	0.0

R - Outside standard range

Unk_Dilution

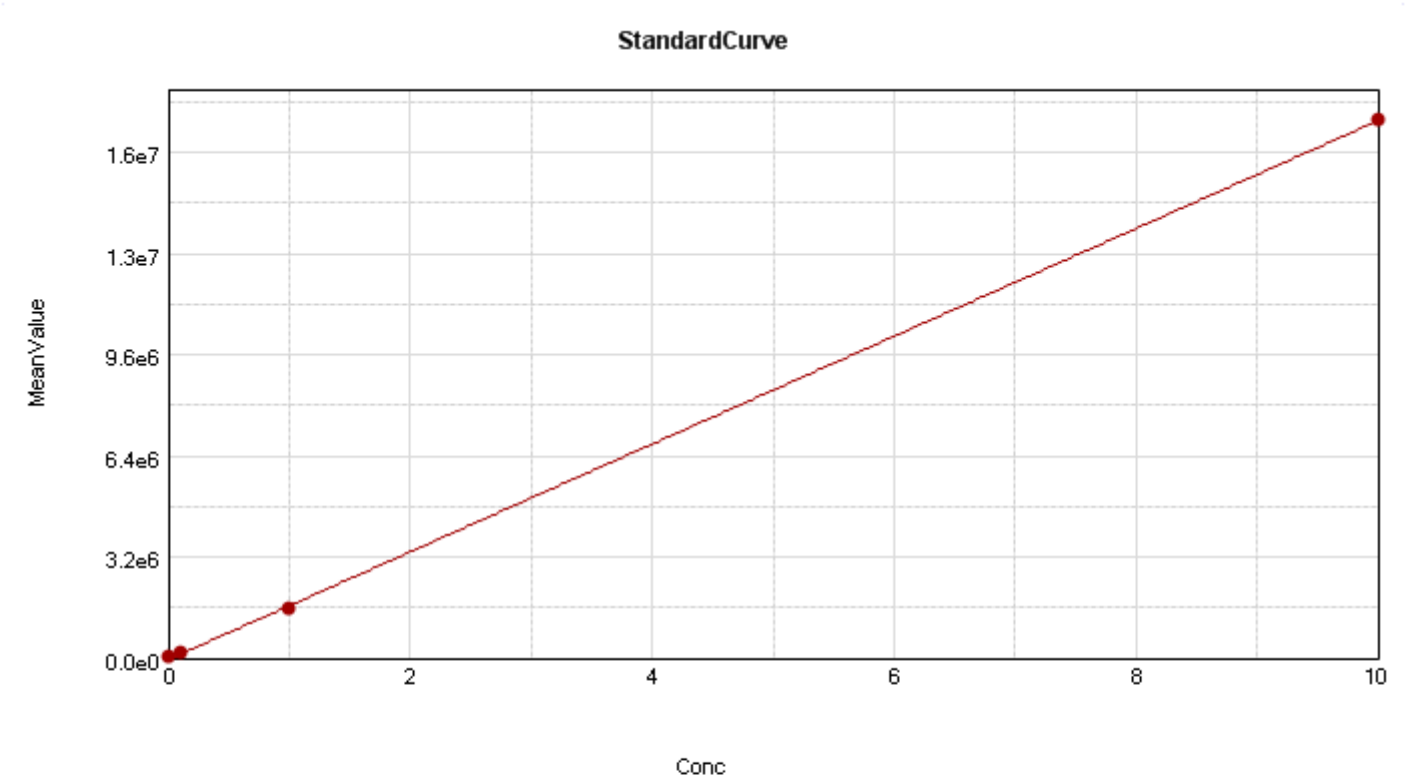
Sample	Wells	Value	R	Result	MeanResult	SD	CV	Dilution	AdjResult

R - Outside standard range

Mean Adjusted Result:

Control

Sample	Wells	Sample#	Values	MeanValue



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

Curve Fit Results ▲

Curve Fit : Linear $y = A + Bx$

	Parameter	Estimated Value	Std. Error	Confidence Interval
Std R^2 = 1.000	A	-4.29e+4	6.28e+4	[-3.13e+5, 2.27e+5]
	B	1.70e+6	1.25e+4	[1.65e+6, 1.76e+6]