

## 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

**bktstd1**

	1	2	3	4	5	6	7	8	9	10	11	12
A	6.4e5	6.4e5	6.5e5	4.7e4	4.8e4	4.7e4	5.0e4	4.9e4	5.1e4	3.0e4	3.1e4	2.9e4
B	2.0e5	2.2e5	2.3e5	5.2e4	5.0e4	4.9e4	4.8e4	5.5e4	5.0e4	3.0e4	2.9e4	3.0e4
C	9.0e4	1.0e5	1.1e5	4.9e4	5.1e4	5.1e4	4.8e4	4.8e4	5.1e4	3.0e4	3.2e4	3.0e4
D	1.1e5	6.7e4	6.8e4	5.1e4	5.0e4	4.9e4	5.0e4	5.3e4	4.7e4	3.0e4	3.0e4	3.0e4
E	5.1e4	5.3e4	5.4e4	5.0e4	4.9e4	4.9e4	4.7e4	4.9e4	4.8e4	3.0e4	2.9e4	3.0e4
F	5.3e4	5.1e4	5.1e4	5.2e4	4.9e4	4.9e4	4.9e4	5.1e4	5.1e4	3.3e4	3.0e4	3.0e4
G	4.8e4	5.2e4	5.3e4	4.9e4	4.8e4	4.9e4	5.1e4	4.8e4	4.7e4	3.0e4	3.0e4	2.9e4
H	4.7e4	6.4e4	5.0e4	5.1e4	4.8e4	4.9e4	4.8e4	5.1e4	4.6e4	3.1e4	3.1e4	2.9e4

**Reduction Settings**

Wavelength Combination : !Lm1

**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 : 11:52 AM  
 3/10/2016

Mean Temperature : 24.5 °C

gdna

Sample	Well	Values	Result	MeanResult	Std.Dev.	CV%
01	A4	47101...	0.030	0.054	0.018	32.9...
	A5	48086...	0.040			
	A6	47278...	0.032			
	A7	49766...	0.057			
	A8	49223...	0.052			
	A9	51221...	0.072			
	B4	51998...	0.080			
	B5	49812...	0.058			
	B6	49295...	0.052			
	B7	48438...	0.044			
	B8	54804...	0.108			
	B9	50013...	0.060			
	C4	49490...	0.054			
	C5	50939...	0.069			
	C6	50763...	0.067			
	C7	48031...	0.040			
	C8	48351...	0.043			
	C9	51091...	0.071			
	D4	50542...	0.065			
	D5	49973...	0.059			
	D6	48912...	0.048			
	D7	50080...	0.060			
	D8	53104...	0.091			
	D9	47053...	0.030			
	E4	49520...	0.055			
	E5	48973...	0.049			
	E6	49439...	0.054			
	E7	47193...	0.031			
	E8	48780...	0.047			
	E9	47836...	0.038			
	F4	52237...	0.082			
	F5	49322...	0.053			
	F6	49352...	0.053			
	F7	49064...	0.050			
	F8	51208...	0.072			
	F9	50693...	0.067			
G4	49460...	0.054				
G5	47596...	0.035				
G6	48832...	0.048				
G7	51177...	0.071				
G8	47911...	0.038				
G9	46732...	0.026				
H4	51338...	0.073				
H5	48211...	0.041				
H6	48900...	0.048				
H7	47821...	0.037				
H8	51286...	0.073				
H9	45821...	0.017				

## Plate2

	1	2	3	4	5	6	7	8	9	10	11	12
A	5.4e4	8.7e4	8.4e4	9.5e4	1.1e5	1.0e5	6.1e4	6.1e4	1.2e5	6.3e4	5.8e4	9.8e4
B	5.7e4	5.2e4	5.0e4	6.7e4	6.2e4	8.4e4	5.5e4	5.5e4	6.0e4	9.2e4	1.2e5	8.8e4
C	6.3e4	5.8e4	5.4e4	5.3e4	7.6e4	7.0e4	5.1e4	1.0e5	1.3e5	1.2e5	5.7e4	9.9e4
D	1.5e5	8.9e4	8.4e4	9.4e4	1.4e5	7.3e4	9.9e4	8.2e4	5.5e4	1.3e5	8.1e4	9.2e4
E	6.4e4	4.9e4	6.0e4	6.1e4	6.0e4	7.9e4	5.8e4	5.1e4	5.4e4	5.5e4	8.2e4	5.3e4
F	2.7e5	2.0e5	1.7e5	1.4e5	1.1e5	1.3e5	1.2e5	2.2e5	3.1e5	2.5e5	2.6e5	2.5e5
G	2.1e5	1.5e5	1.4e5	1.9e5	2.2e5	1.9e5	1.8e5	1.4e5	2.4e5	2.6e5	2.9e5	2.3e5
H	2.0e5	1.8e5	2.0e5	1.3e5	2.1e5	1.6e5	1.6e5	1.5e5	6.0e4	5.4e4	5.1e4	1.7e5

## Reduction Settings

Wavelength Combination : !Lm1

## 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 : 11:47 AM  
 3/10/2016

Mean Temperature : 24 °C

## amplimers

Sample	Well	Values	Result	MeanResult	Std.Dev.	CV%
01	A1	54014...	0.100	0.744	0.686	92.1...
	A2	87459...	0.439			
	A3	83582...	0.400			
	A4	95179...	0.517			
	A5	10755...	0.642			
	A6	10415...	0.608			
	A7	61353...	0.174			
	A8	60859...	0.169			
	A9	12295...	0.798			
	A10	63038...	0.192			
	A11	58373...	0.144			
	A12	98246...	0.548			
	B1	56753...	0.128			
	B2	51552...	0.075			
	B3	50158...	0.061			
	B4	67111...	0.233			
	B5	62072...	0.182			
	B6	83913...	0.403			
	B7	54651...	0.107			
	B8	55323...	0.113			
	B9	59569...	0.156			
	B10	91812...	0.483			
	B11	12375...	0.807			
	B12	87932...	0.444			
	C1	63091...	0.192			
	C2	57523...	0.136			
	C3	53646...	0.096			
	C4	53319...	0.093			
	C5	75952...	0.322			
	C6	69670...	0.259			
	C7	50555...	0.065			
	C8	99585...	0.562			
	C9	13135...	0.883			
	C10	11565...	0.724			
	C11	57035...	0.131			
	C12	98815...	0.554			
	D1	14604...	1.032			
	D2	88743...	0.452			
	D3	83745...	0.401			
	D4	93614...	0.501			
	D5	14264...	0.998			
	D6	73304...	0.296			
	D7	98795...	0.554			
	D8	82391...	0.388			
	D9	54746...	0.108			
	D10	13136...	0.884			
	D11	80801...	0.371			
	D12	91788...	0.483			
E1	64230...	0.204				
E2	49210...	0.052				
E3	60146...	0.162				
E4	60840...	0.169				
E5	59525...	0.156				
E6	79246...	0.356				
E7	58287...	0.143				
E8	50599...	0.066				
E9	54087...	0.101				
E10	55031...	0.110				
E11	82233...	0.386				
E12	53158...	0.091				

## amplimers (Contd)

Sample	Well	Values	Result	MeanResult	Std.Dev.	CV%
	F1	27269...	2.315			
	F2	20221...	1.601			
	F3	17409...	1.316			
	F4	13845...	0.955			
	F5	10590...	0.626			
	F6	13332...	0.903			
	F7	11909...	0.759			
	F8	21970...	1.778			
	F9	30876...	2.680			
	F10	25241...	2.110			
	F11	26298...	2.217			
	F12	24860...	2.071			
	G1	21130...	1.693			
	G2	15006...	1.073			
	G3	14038...	0.975			
	G4	19302...	1.508			
	G5	22385...	1.820			
	G6	19017...	1.479			
	G7	17605...	1.336			
	G8	13546...	0.925			
	G9	24454...	2.030			
	G10	25909...	2.177			
	G11	29154...	2.506			
	G12	23005...	1.883			
	H1	19780...	1.556			
	H2	18357...	1.412			
	H3	20409...	1.620			
	H4	12678...	0.837			
	H5	21067...	1.687			
	H6	16084...	1.182			
	H7	16257...	1.200			
	H8	15488...	1.122			
	H9	60225...	0.163			
	H10	54278...	0.103			
	H11	50912...	0.069			
	H12	17244...	1.300			

**Standards**

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
Std_1	6.000	6.039	A1	6403...	645935.333	64...	1.0
		6.079	A2	6443...			
		6.167	A3	6530...			
Std_2	2.000	1.551	B1	1972...	215066.333	16...	7.9
		1.750	B2	2169...			
		1.893	B3	2310...			
Std_3	0.667	0.461	C1	8960...	99853.667	91...	9.2
		0.594	C2	1027...			
		0.639	C3	1072...			
Std_4	0.222	0.648	D1	1081...	80756.333	23...	29.4
		0.228	D2	6661...			
		0.237	D3	6751...			
Std_5	0.074	0.073	E1	5135...	52673.333	14...	2.7
		0.085	E2	5251...			
		0.102	E3	5415...			
Std_6	0.025	0.088	F1	5283...	51556.667	11...	2.1
		0.070	F2	5100...			
		0.068	F3	5083...			
Std_7	0.008	0.039	G1	4801...	51267.667	28...	5.6
		0.083	G2	5233...			
		0.094	G3	5345...			

Smallest standard value: 51267.667

Largest standard value: 645935.333

**Unk\_Dilution**

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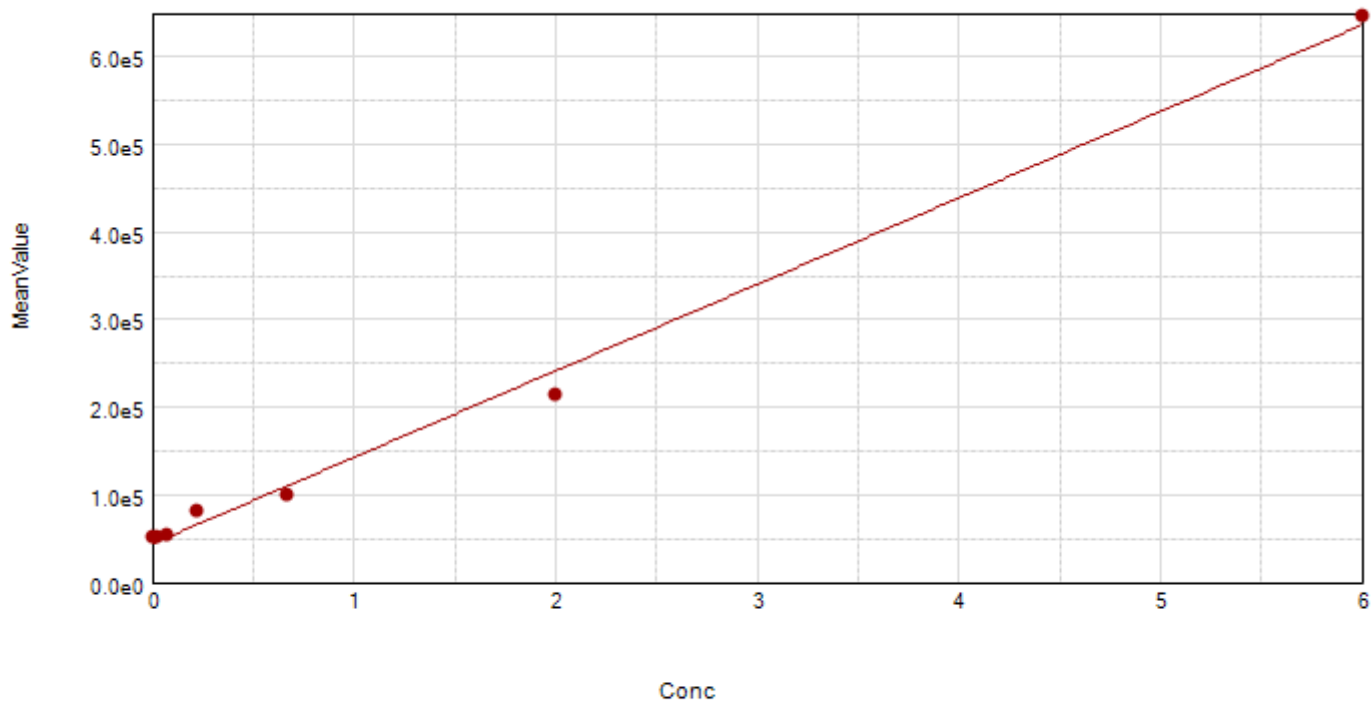
R - Outside standard range

Mean Adjusted Result:

**Control**

Sample	Wells	Sample#	Values	MeanValue
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### StandardCurve



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

Curve Fit Results ▼