

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	2.4e7	-1.1e8	-1.0e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-9.9e7	-9.6e7
B	1.7e7	1.3e7	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8
C	1.7e7	2.4e7	-1.0e8	-1.0e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8
D	4.5e6	3.4e7	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8
E	-7.6e5	-2.9e6	-1.0e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-6.3e7	-6.4e7	1.2e7	-3.8e6
F	-4.3e7	-4.6e7	-1.1e8	-1.0e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-7.7e7	-7.4e7	2.2e7	1.6e7
G	-1.2e6	1.2e6	-1.1e8	-1.0e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-6.4e7	-6.2e7	1.8e7	1.7e7
H	-6.9e5	7.7e5	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	-1.1e8	3.9e6	4.2e6

Reduction Settings

Plate Blank Used : Lm1 = 1.1e8
 Wavelength Combination : !Lm1

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 : 3:47 PM
 8/11/2015
 Mean Temperature : 25 °C

Plate2

	1	2	3	4	5	6	7	8	9	10	11	12
A	1.3e8	1.4e8	8.2e6	1.1e7	3.9e6	4.5e6	5.5e6	7.3e6	6.9e6	5.5e6	1.5e7	1.8e7
B	1.3e8	1.3e8	5.4e6	4.8e6	3.7e6	6.3e6	5.5e6	4.7e6	6.1e6	6.3e6	6.3e6	6.1e6
C	1.3e8	1.4e8	9.1e6	1.1e7	5.4e6	3.8e6	5.4e6	6.5e6	4.2e6	4.0e6	5.0e6	4.8e6
D	1.2e8	1.5e8	5.8e6	5.9e6	6.8e6	6.1e6	4.6e6	4.6e6	4.8e6	4.5e6	5.2e6	5.8e6
E	1.1e8	1.1e8	1.4e7	3.7e6	4.8e6	4.8e6	5.8e6	5.2e6	5.1e7	4.9e7	1.2e8	1.1e8
F	7.0e7	6.8e7	4.0e6	1.3e7	4.5e6	1.2e4	5.7e6	4.7e6	3.6e7	4.0e7	1.3e8	1.3e8
G	1.1e8	1.1e8	5.6e6	1.6e7	5.0e6	1.3e4	6.1e6	6.1e6	4.9e7	5.2e7	1.3e8	1.3e8
H	1.1e8	1.1e8	4.9e6	5.0e6	5.9e6	1.4e4	6.0e6	5.6e6	4.2e6	4.4e6	1.2e8	1.2e8

Reduction Settings

Wavelength Combination : !Lm1

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 : 3:51 PM
 8/11/2015
 Mean Temperature : 25 °C

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
01	0.000	127.347	A1	1781...	21000418....	45...	21.5
		30.563	A2	2418...			
02	62.500	134.478	B1	1734...	14963790....	33...	22.5
		206.633	B2	1258...			
03	125....	134.577	C1	1733...	20657090....	46...	22.7
		33.752	C2	2397...			
04	250....	329.708	D1	4475...	19139838....	20...	10...
		-115.332	D2	3380...			
05	500....	409.163	E1	-7607...	-1815430.0...	14...	82.2
		441.169	E2	-2870...			
06	1000...	1052.160	F1	-4313...	-44407978....	17...	4.1
		1090.782	F2	-4568...			

Smallest standard value: -44407978.000

Largest standard value: 21000418.000

Unknowns

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
01	A3	-1057...	R	2002...	1808.371	55...	30.8
	A4	-1027...	R	1956...			
	A5	-1099...	R	2066...			
	A6	-1092...	R	2055...			
	A7	-1084...	R	2043...			
	A8	-1066...	R	2015...			
	A9	-1071...	R	2023...			
	A10	-1084...	R	2042...			
	A11	-9870...	R	1895...			
	A12	-9619...	R	1857...			
	B3	-1083...	R	2041...			
	B4	-1088...	R	2048...			
	B5	-1101...	R	2068...			
	B6	-1076...	R	2031...			
	B7	-1083...	R	2041...			
	B8	-1092...	R	2055...			
	B9	-1078...	R	2033...			
	B10	-1076...	R	2031...			
	B11	-1077...	R	2033...			
	B12	-1077...	R	2032...			
	C3	-1045...	R	1984...			
	C4	-1029...	R	1959...			
	C5	-1087...	R	2047...			
	C6	-1099...	R	2066...			
	C7	-1083...	R	2042...			
	C8	-1073...	R	2026...			
	C9	-1096...	R	2061...			
	C10	-1097...	R	2063...			
	C11	-1091...	R	2053...			
	C12	-1090...	R	2052...			
	D3	-1080...	R	2037...			
	D4	-1080...	R	2036...			
	D5	-1072...	R	2024...			
	D6	-1077...	R	2033...			
	D7	-1091...	R	2053...			
	D8	-1092...	R	2055...			
	D9	-1089...	R	2051...			
	D10	-1093...	R	2056...			
	D11	-1088...	R	2049...			
	D12	-1079...	R	2036...			
	E3	-1008...	R	1927...			
	E4	-1100...	R	2068...			
	E5	-1091...	R	2053...			
	E6	-1092...	R	2055...			
	E7	-1080...	R	2037...			
	E8	-1087...	R	2047...			
	E9	-6325...	R	1357...			
	E10	-6422...	R	1372...			
E11	1244...		208.845				
E12	-3845...		455.966				
F3	-1098...	R	2064...				
F4	-1018...	R	1943...				
F5	-1094...	R	2058...				
F6	-1134...	R	2119...				
F7	-1081...	R	2039...				
F8	-1092...	R	2054...				
F9	-7722...	R	1569...				
F10	-7401...	R	1520...				
F11	2150...	R	71.235				
F12	1560...		160.816				
G3	-1082...	R	2040...				

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
	G4	-1009...	R	1930....			
	G5	-1090...	R	2052....			
	G6	-1134...	R	2119....			
	G7	-1077...	R	2032....			
	G8	-1077...	R	2032....			
	G9	-6447...	R	1376....			
	G10	-6157...	R	1332....			
	G11	1805...		123.576			
	G12	1663...		145.198			
	H3	-1088...	R	2049....			
	H4	-1089...	R	2050....			
	H5	-1079...	R	2035....			
	H6	-1134...	R	2119....			
	H7	-1080...	R	2037....			
	H8	-1084...	R	2043....			
	H9	-1096...	R	2061....			
	H10	-1094...	R	2058....			
	H11	3935...		337.895			
	H12	4207...		333.767			

R - Outside standard range

Unk_Dilution

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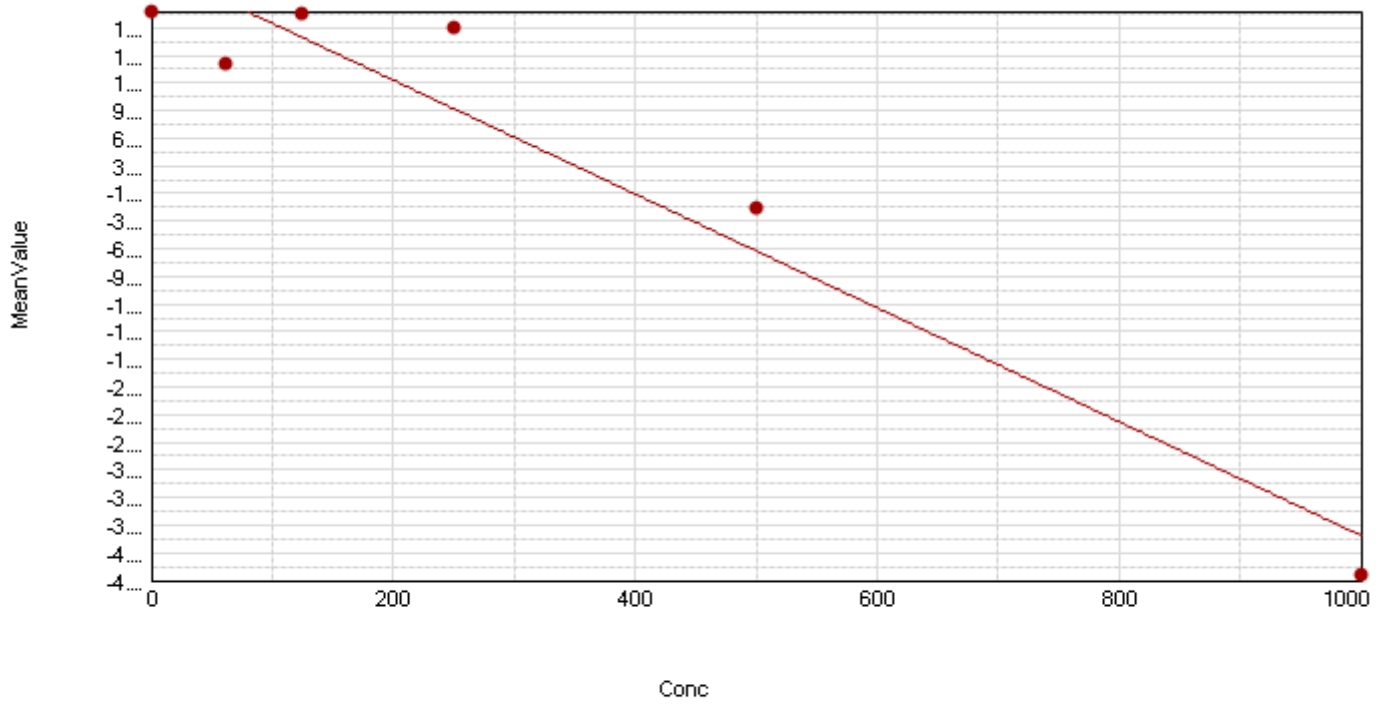
R - Outside standard range

Mean Adjusted Result:

Control

Sample	Wells	Sample#	Values	MeanValue
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StandardCurve



● Std (Standards: MeanVal... vs Conc)

Curve Fit Results ▼