



PCR Standard Curve Report
PCR Base Line Subtracted Data

Current Date: 30-Mar-07 05:02 PM
Data generated on: 05-Apr-06 at 02:02 PM.

Optical data file name: STM02a-MGTM64 with control 5-Apr-06.opd
Plate Setup file used: 8primers.pts
Protocol file used: 78datacoll.tmo

Sample volume: 20.00 ul
Hot Start? No
Well factor collection: Experimental Plate

Comments

Protocol

Cycle 1: (1X)
Step 1: 95.0°C for 03:00

Cycle 2: (40X)
Step 1: 95.0°C for 00:10
Step 2: 65.0°C for 00:45
Step 3: 78.0°C for 00:20
Data collection and real-time analysis enabled.

Cycle 3: (1X)
Step 1: 95.0°C for 01:00

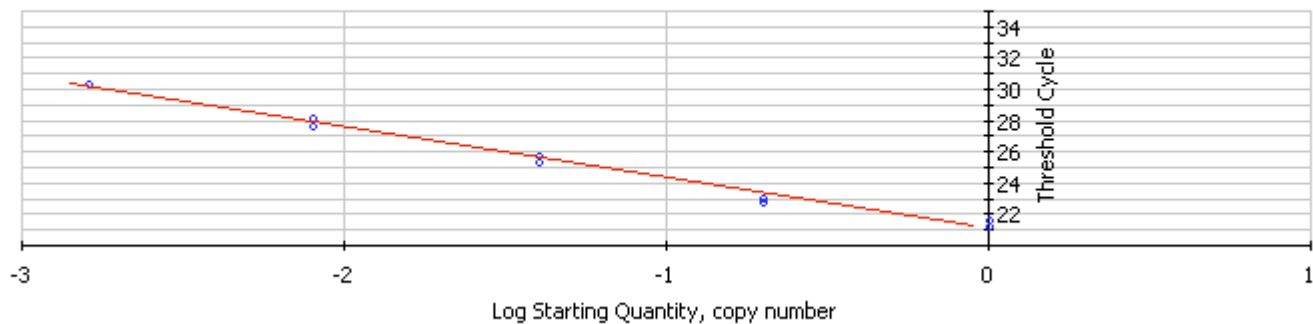
Cycle 4: (1X)
Step 1: 55.0°C for 01:00

Cycle 5: (80X)
Step 1: 55.0°C for 00:10
Increase setpoint temperature after cycle 2 by 0.5°C
Melt curve data collection and analysis enabled.

Standard Curve Graph for SYBR-490

Correlation Coefficient: 0.996 Slope: -3.261 Intercept: 21.090 $Y = -3.261 X + 21.090$
PCR Efficiency: 102.6 %

□ Unknowns
○ Standards



Data Analysis Parameters

Calculated threshold has been replaced by the user selected threshold **50.0**.

Per-well baseline cycles have been determined automatically.
 Data analysis window is set at **95.00%** of a cycle, centered at **end** of the cycle.
Weighted Mean digital filtering has been applied. Global filtering is **off**.

Standard Curve Spreadsheet Data for SYBR-490 Units: copy number

Type	Identifier	Rep	Ct	Log SQ	SQ	SQ Mean	SQ SD	Ct Mean	Ct SD	Se Po
F01	Standard 1	1	21.63	0.000	1.00E+00	1.00E+00	0.00E+00	21.43	2.81E-01	
F02	Standard 1	1	21.23	0.000	1.00E+00	1.00E+00	0.00E+00	21.43	2.81E-01	
F03	Standard 1	2	23.10	(0.699)	2.00E-01	2.00E-01	2.58E-09	22.97	1.81E-01	
F04	Standard 1	2	22.84	(0.699)	2.00E-01	2.00E-01	2.58E-09	22.97	1.81E-01	
F05	Standard 1	3	25.83	(1.398)	4.00E-02	4.00E-02	1.42E-10	25.57	3.56E-01	
F06	Standard 1	3	25.32	(1.398)	4.00E-02	4.00E-02	1.42E-10	25.57	3.56E-01	
F07	Standard 1	4	28.15	(2.097)	8.00E-03	8.00E-03	1.05E-10	27.92	3.25E-01	
F08	Standard 1	4	27.69	(2.097)	8.00E-03	8.00E-03	1.05E-10	27.92	3.25E-01	
F09	Standard 1	5	30.38	(2.796)	1.60E-03	1.60E-03	1.96E-11	30.35	3.89E-02	
F10	Standard 1	5	30.32	(2.796)	1.60E-03	1.60E-03	1.96E-11	30.35	3.89E-02	

Wells Excluded from Analysis

A total of 85 well(s) have been excluded from analysis.

A01: 1	A02: 1	A03: 1
A04: 1	A05: 1	A06: 1
A07: 1	A08: 1	A09: 1
A10: 1	A11: <no identifier>	A12: <no identifier>
B01: 1	B02: 1	B03: 1
B04: 1	B05: 1	B06: 1
B07: 1	B08: 1	B09: 1
B10: 1	B11: <no identifier>	B12: <no identifier>
C01: 1	C02: 1	C03: 1
C04: 1	C05: 1	C06: 1
C07: 1	C08: 1	C09: 1
C10: 1	C11: <no identifier>	C12: <no identifier>
D01: 1	D02: 1	D03: 1
D04: 1	D05: 1	D06: 1
D07: 1	D08: 1	D09: 1
D10: 1	D11: <no identifier>	D12: <no identifier>
E01: 1	E02: 1	E03: 1
E04: 1	E05: 1	E06: 1
E07: 1	E08: 1	E09: 1
E10: 1	E11: <no identifier>	E12: <no identifier>
F11: <no identifier>	G01: 1	G02: 1
G03: 1	G04: 1	G05: 1
G06: 1	G07: 1	G08: 1
G09: 1	G10: 1	G11: <no identifier>
G12: <no identifier>	H01: 1	H02: 1
H03: 1	H04: 1	H05: 1
H06: 1	H07: 1	H08: 1
H09: 1	H10: 1	H11: <no identifier>
H12: <no identifier>		

Modified Well Contents

Units have not been modified. Original units were copy number.
 No wells have been modified.

