PCR Quantification with Melt Curve Report
PCR Base Line Subtracted Curve Fit Data

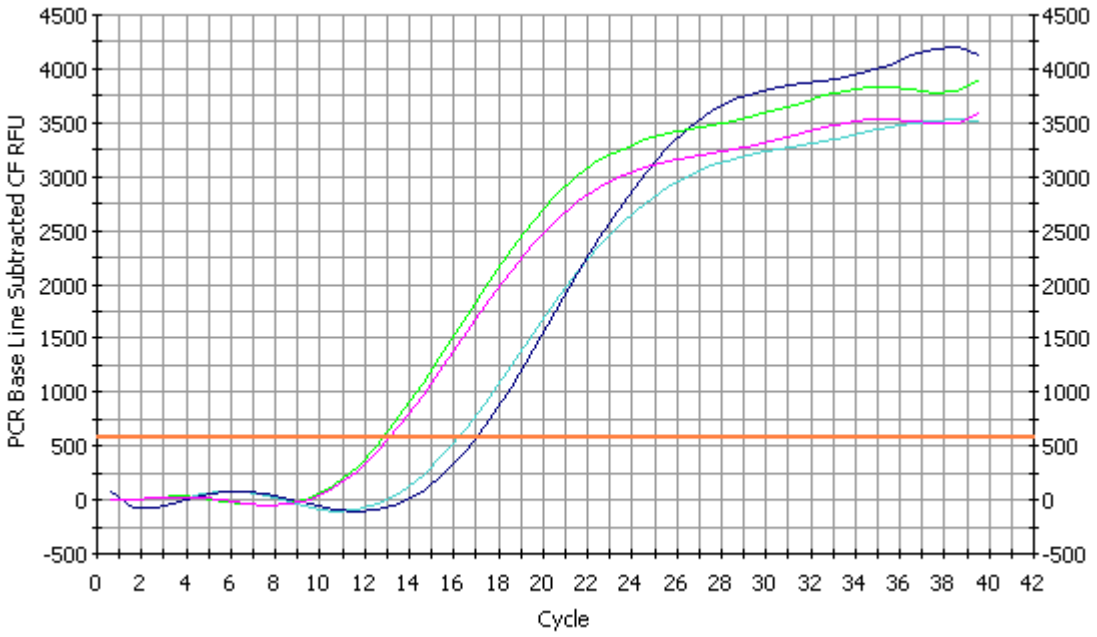
Current Date:	**01-Sep-03 10:40 AM**
Data generated on:	**21-May-03 at 03:05 PM**.
Optical data file name:	**mmz_210503.opd**
Plate Setup file used:	**ray_mmz1.pts**
Protocol file used:	**ray_mmz1.tmo**
Sample volume:	**50.00 ul**
Hot Start?	**No**
Well factor collection:	**Experimental Plate**

Comments

Protocol

Cycle 1: (1X)			
	Step 1:	**50.0ºC**	**for 30:00**
Cycle 2: (1X)			
	Step 1:	**95.0ºC**	**for 15:00**
Cycle 3: (40X)			
	Step 1:	**94.0ºC**	**for 00:15**
	Step 2:	**55.0ºC**	**for 00:30**
	Step 3:	**72.0ºC**	**for 00:30**
	Data collection and real-time analysis enabled.		
Cycle 4: (1X)			
	Step 1:	**72.0ºC**	**for 10:00**
Cycle 5: (1X)			
	Step 1:	**55.0ºC**	**for 01:00**
Cycle 6: (80X)			
	Step 1:	**55.0ºC**	**for 00:10**
	Increase setpoint temperature after cycle 2 by 0.5ºC		
	Melt curve data collection and analysis enabled.		
Cycle 7: (1X)			
	Step 1:	**4.0ºC**	**HOLD**

PCR Amp/Cycle Graph for SYBR-490



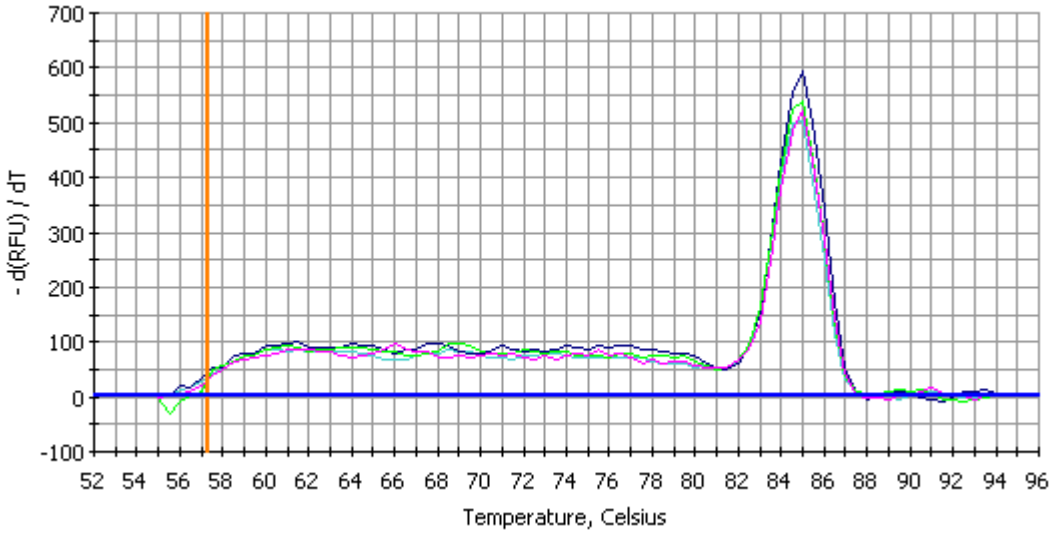
Data Analysis Parameters

Calculated threshold using the **maximum curvature approach** is **573.7**.
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**.

PCR Quantification Spreadsheet Data for SYBR-490

Well	Identifier	Ct	Setpoint
B02	2720_methanol_1zu1	16.8	
D02	2720_methanol_1zu2	17.5	
F02	2720_acetat_1zu1	13.4	
H02	2720_acetat_1zu2	13.7	

Melt Curve Graph for SYBR-490



Melt Curve Analysis Parameters

Weighted Mean digital filtering has been applied. Global filtering is **off**.
Threshold for automatic peak detection is set at **1.00**.

Melt Curve Analysis Spreadsheet Data for SYBR-490

Well	Well Identifier Peak Descriptor	Peak ID	Melt Temp	Beg. Temp	End Temp
B2	4720_methanol_1zu1	B2.1	85.0	82.0	89.5
		B2.2	76.0	75.5	81.5
		B2.3	73.5	72.0	75
		B2.4	68.5	67.0	71.5
		B2.5	63.0	62.5	66.5
		B2.6	61.5	61.0	62.5
		B2.7	60.0	55.0	61
D2	4720_methanol_1zu2	D2.1	85.0	82.0	88
		D2.2	76.5	76.0	81.5
		D2.3	74.0	73.5	75
		D2.4	71.0	70.5	73
		D2.5	68.0	66.5	70
		D2.6	64.0	63.5	66
		D2.7	61.5	55.0	63
F2	4720_acetat_1zu1	F2.1	85.0	81.0	88.5
		F2.2	76.5	76.0	77.5
		F2.3	73.5	73.0	76
		F2.4	72.0	71.5	73
		F2.5	69.0	67.0	71.5
		F2.6	64.0	63.0	66.5
		F2.7	61.0	56.0	62
H2	4720_acetat_1zu2	H2.1	85.0	81.0	88.5
		H2.2	75.5	74.0	77.5
		H2.3	70.5	70.0	73.5
		H2.4	66.0	64.5	68
		H2.5	62.0	55.0	64

Modified Well Contents

No wells have been modifed.