



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

Current Date: **01-Sep-03 10:42 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**

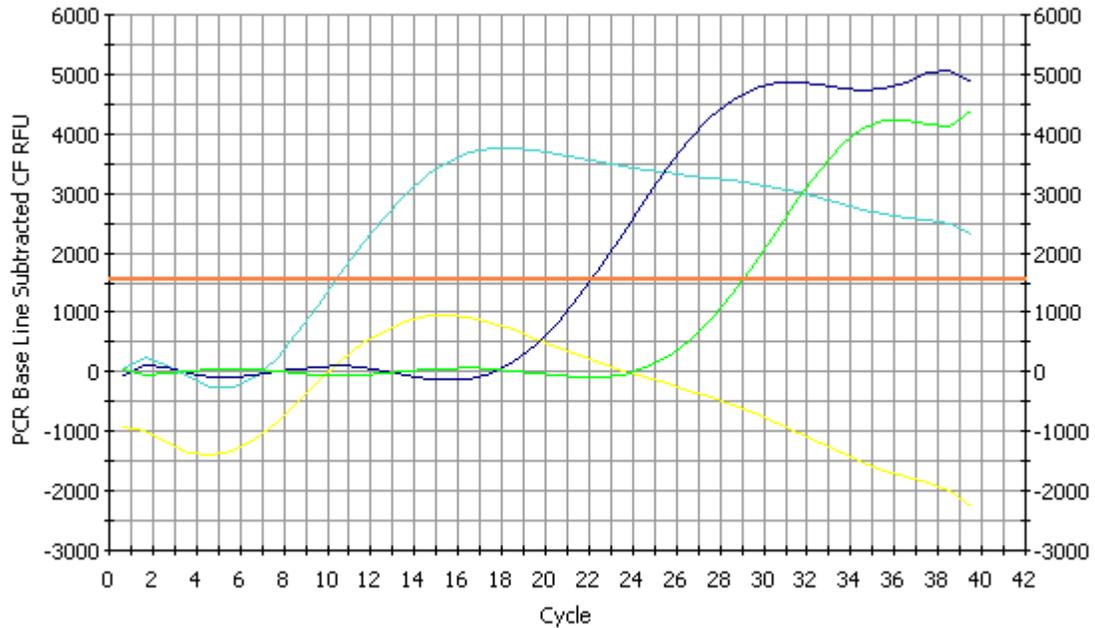
Sample volume: **50.00 ul**  
Hot Start? **No**  
Well factor collection: **Experimental Plate**

### Comments

### Protocol

Cycle 1: ( 1X)		
Step 1:	50.0°C	for 30:00
Cycle 2: ( 1X)		
Step 1:	95.0°C	for 15:00
Cycle 3: ( 40X)		
Step 1:	94.0°C	for 00:15
Step 2:	55.0°C	for 00:30
Step 3:	72.0°C	for 00:30
	Data collection and real-time analysis enabled.	
Cycle 4: ( 1X)		
Step 1:	72.0°C	for 10:00
Cycle 5: ( 1X)		
Step 1:	55.0°C	for 01:00
Cycle 6: ( 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.	
Cycle 7: ( 1X)		
Step 1:	4.0°C	HOLD

### PCR Amp/Cycle Graph for SYBR-490



### Data Analysis Parameters

Calculated threshold using the **maximum curvature approach** is **1,563.0**.

Per-well baseline cycles have been determined automatically.

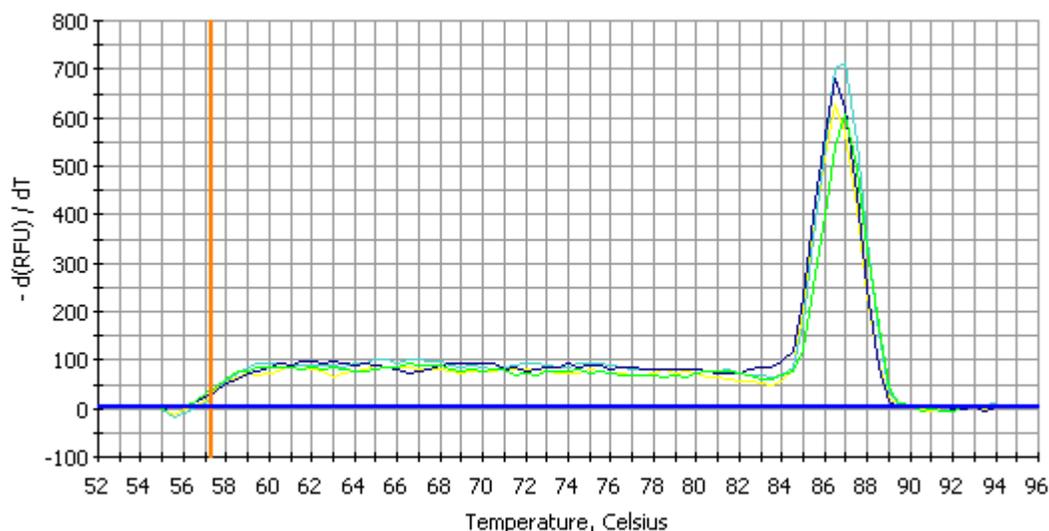
Data analysis window is set at **95.00%** of a cycle, centered at **end** of the cycle.

**Weighted Mean** digital filtering has been applied. Global filtering is **off**.

### PCR Quantification Spreadsheet Data for SYBR-490

Well	Identifier	Ct	Setpoint
B08	0294_methanol_1zu1	12.8	
D08	0294_methanol_1zu2	8.8	
F08	0294_acetat_1zu1	20.3	
H08	0294_acetat_1zu2	27.1	

### 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
<b>B8</b>	0294_methanol_1zu1	B8.1	86.5	84.0	91
		B8.2	78.5	77.5	83.5
		B8.3	75.0	74.5	77
		B8.4	72.0	69.5	74
		B8.5	65.0	63.5	69
		B8.6	61.0	56.0	63
<b>D8</b>	0294_methanol_1zu2	D8.1	87.0	83.5	90.5
		D8.2	65.5	64.5	66
		D8.3	59.5	56.0	63.5
<b>F8</b>	0294_acetat_1zu1	F8.1	86.5	82.0	89.5
		F8.2	79.5	79.0	81.5
		F8.3	74.0	72.5	76
		F8.4	69.0	67.0	72
		F8.5	64.5	64.0	66.5
		F8.6	63.0	55.0	64
<b>H8</b>	0294_acetat_1zu2	H8.1	87.0	84.0	90.5
		H8.2	81.5	80.0	83.5
		H8.3	74.5	73.0	79.5
		H8.4	70.5	70.0	72.5
		H8.5	66.5	64.5	69
		H8.6	61.0	55.0	64

### Modified Well Contents

No wells have been modified.