



## 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**

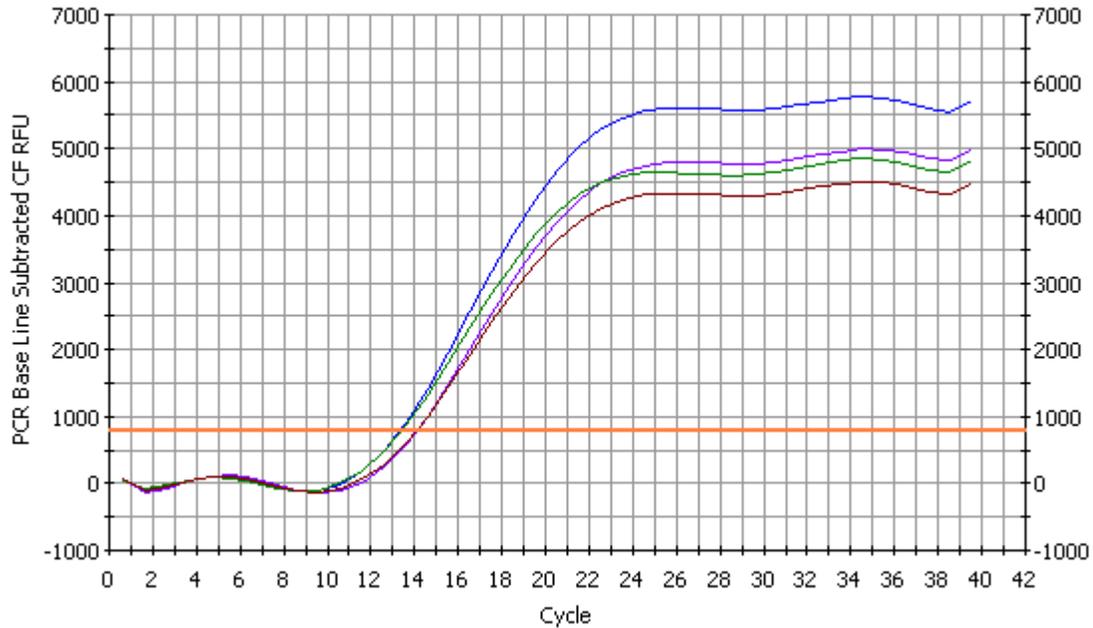
Sample volume: **50.00 ul**  
Hot Start? **No**  
Well factor collection: **Experimental Plate**

### Comments

### Protocol

Cycle 1: ( 1X)		
Step 1:	50.0°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



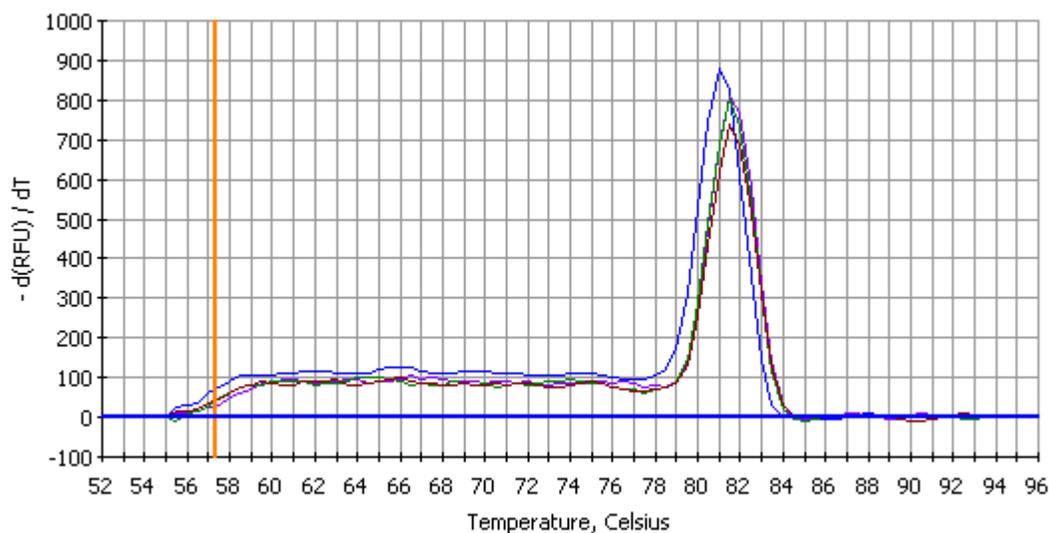
### Data Analysis Parameters

Calculated threshold using the **maximum curvature approach** is **783.6**.  
 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
B03	1180_methanol_1zu1	13.2	
D03	1180_methanol_1zu2	13.9	
F03	1180_acetat_1zu1	13.2	
H03	1180_acetat_1zu2	13.9	

### 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>B3</b>	1180_methanol_1zu1	B3.1	81.0	77.0	84.5
		B3.2	74.0	73.5	76.5
		B3.3	70.0	68.5	72
		B3.4	66.0	64.5	68
		B3.5	62.0	55.0	64
		B3.6	60.5	55.0	62.5
<b>D3</b>	1180_methanol_1zu2	D3.1	81.5	79.0	85
		D3.2	75.5	74.0	78.5
		D3.3	71.0	70.5	73
		D3.4	66.5	65.5	70
		D3.5	63.5	63.0	64.5
		D3.6	60.5	55.0	62.5
<b>F3</b>	1180_acetat_1zu1	F3.1	81.5	78.0	84.5
		F3.2	74.0	71.0	77.5
		F3.3	68.5	68.0	70.5
		F3.4	65.0	63.0	66.5
		F3.5	61.5	55.5	62
		F3.6	60.5	55.0	62.5
<b>H3</b>	1180_acetat_1zu2	H3.1	81.5	78.0	85
		H3.2	75.0	74.0	77.5
		H3.3	72.0	71.5	73.5
		H3.4	66.0	64.0	68
		H3.5	63.0	61.5	63.5
		H3.6	59.5	55.0	61

### Modified Well Contents

No wells have been modified.