



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

Current Date: 01-Sep-03 10:39 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

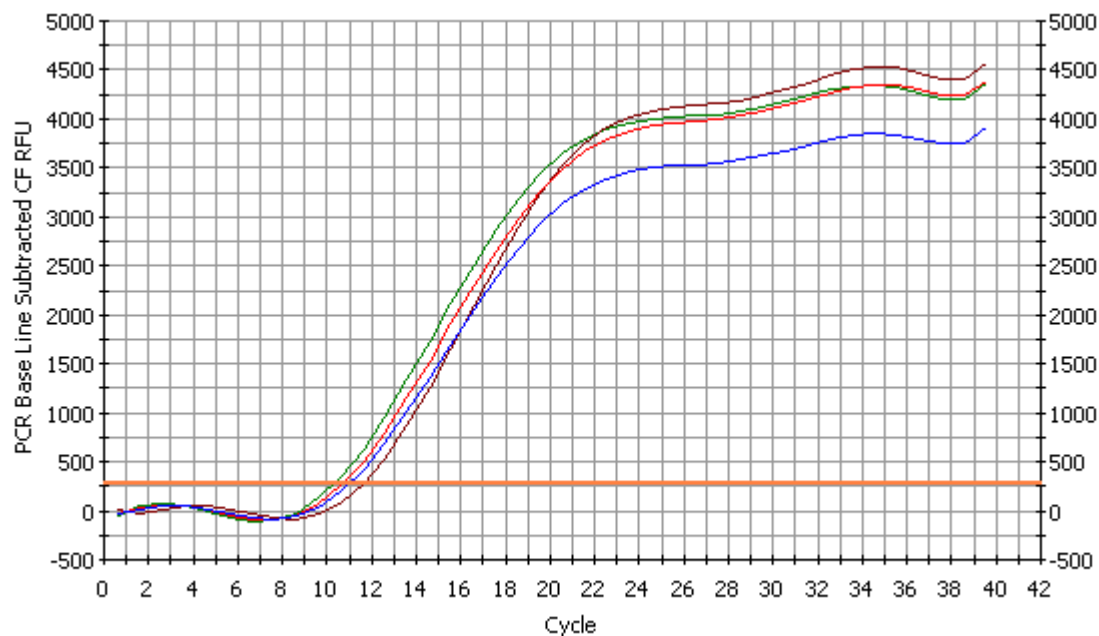
Sample volume: 50.00 ul  
Hot Start? No  
Well factor collection: Experimental Plate

### 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 **275.7**.

Per-well baseline cycles have been determined automatically.

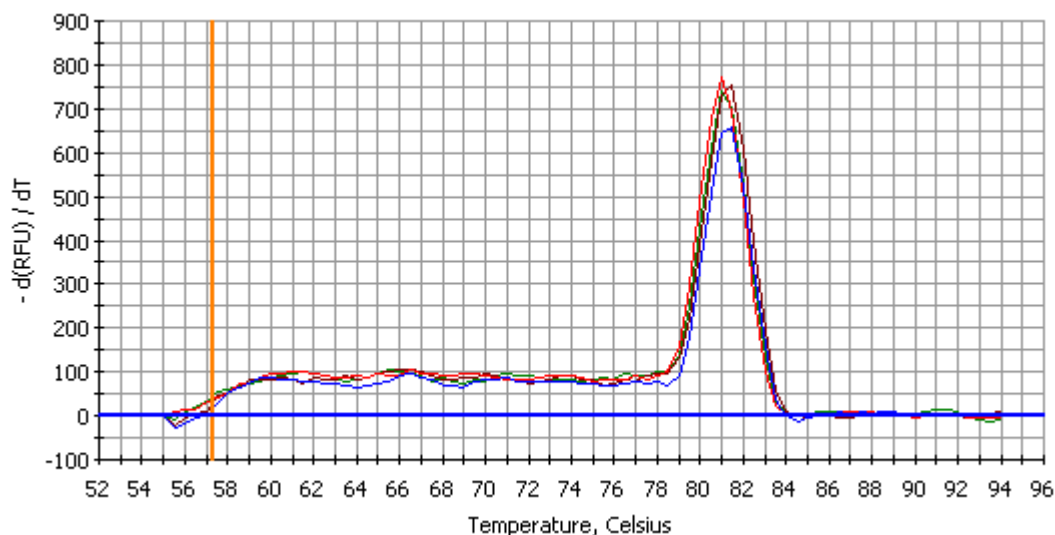
Data analysis window is set at **95.00%** of a cycle, centered at **end** of the cycle.

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

### PCR Quantification Spreadsheet Data for SYBR-490

Well	Identifier	Ct	Setpoint
B01	4019_methanol_1zu1	11.9	
D01	4019_methanol_1zu2	13.2	
F01	4019_acetat_1zu1	12.3	
H01	4019_acetat_1zu2	12.7	

### 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
<b>B1</b>	4019_methanol_1zu1	B1.1	81.0	78.5	85
		B1.2	76.5	75.0	77.5
		B1.3	71.0	70.0	74.5
		B1.4	65.5	64.0	69
		B1.5	61.5	55.5	63.5
<b>D1</b>	4019_methanol_1zu2	D1.1	81.5	76.0	85
		D1.2	74.0	72.5	75.5
		D1.3	70.0	69.0	72
		D1.4	66.5	61.5	68.5
		D1.5	60.5	56.0	61.5
<b>F1</b>	4019_acetat_1zu1	F1.1	81.0	76.0	85.5
		F1.2	74.0	72.0	75
		F1.3	69.5	69.0	71.5
		F1.4	66.5	66.0	68.5
		F1.5	65.0	64.5	66
<b>H1</b>	4019_acetat_1zu2	F1.6	61.0	55.0	63
		H1.1	81.5	78.5	84.5
		H1.2	72.5	72.0	76
		H1.3	71.0	69.5	71.5
		H1.4	66.5	64.5	69
		H1.5	60.0	56.5	64

### **Modified Well Contents**

No wells have been modified.

