



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

Current Date: 01-Sep-03 10:43 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

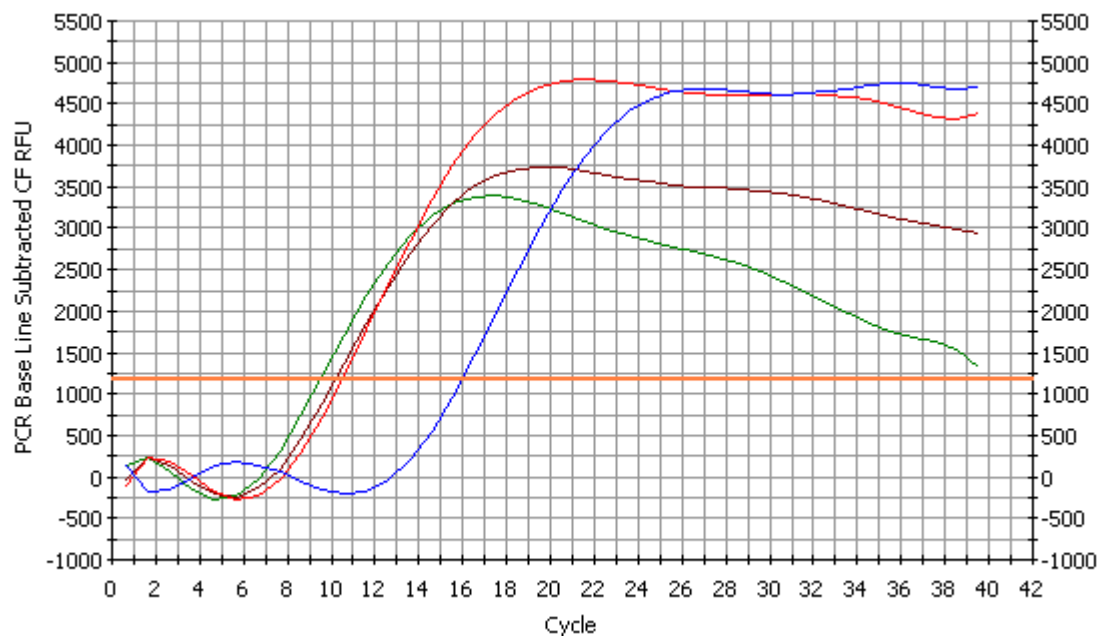
Sample volume: 50.00 ul  
Hot Start? No  
Well factor collection: Experimental Plate

### 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 **1,179.9**.

Per-well baseline cycles have been determined automatically.

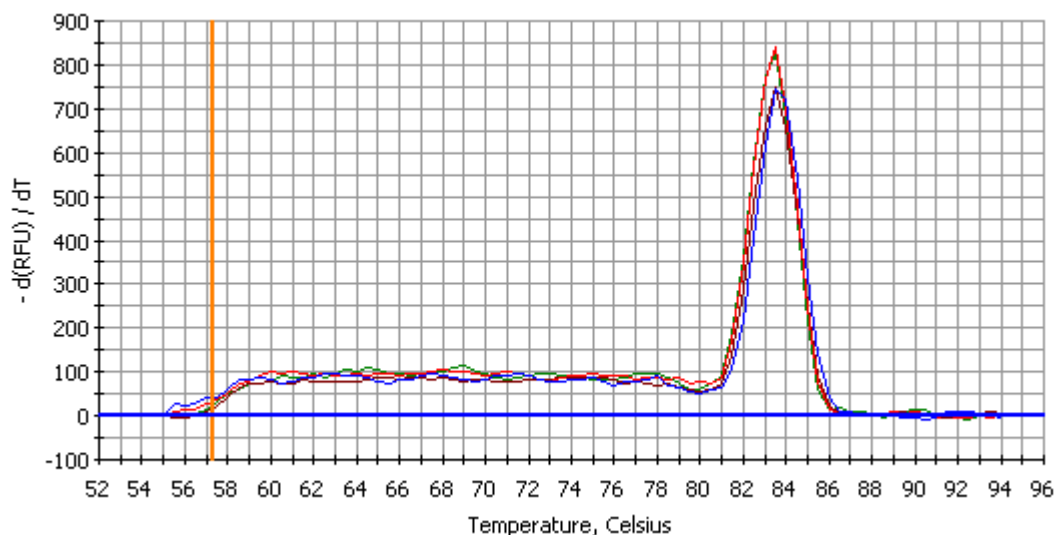
Data analysis window is set at **95.00%** of a cycle, centered at **end** of the cycle.

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

### PCR Quantification Spreadsheet Data for SYBR-490

Well	Identifier	Ct	Setpoint
B11	0915_methanol_1zu1	8.6	
D11	0915_methanol_1zu2	9.3	
F11	0915_acetat_1zu1	9.7	
H11	0915_acetat_1zu2	15.0	

### 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>B11</b>	0915_methanol_1zu1	B11.1	83.5	80.0	88.5
		B11.2	78.0	76.0	79.5
		B11.3	72.5	71.5	75
		B11.4	69.0	67.5	71
		B11.5	64.5	63.0	67
		B11.6	62.0	56.0	62.5
<b>D11</b>	0915_methanol_1zu2	D11.1	83.5	80.5	87.5
		D11.2	74.5	71.5	80
		D11.3	67.0	66.0	67.5
		D11.4	61.5	61.0	63.5
		D11.5	60.0	56.5	60.5
<b>F11</b>	0915_acetat_1zu1	F11.1	83.5	79.5	87
		F11.2	75.0	73.5	77
		F11.3	71.0	70.5	73
		F11.4	68.0	67.0	70
		F11.5	65.0	64.5	66
		F11.6	60.0	55.0	63
<b>H11</b>	0915_acetat_1zu2	H11.1	83.5	80.5	87.5
		H11.2	78.0	77.0	80
		H11.3	75.0	74.0	76
		H11.4	71.5	70.0	73.5
		H11.5	67.5	66.0	69.5
		H11.6	63.0	61.0	65.5
		H11.7	59.5	55.0	60.5

### **Modified Well Contents**

No wells have been modified.