



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

Current Date: 01-Sep-03 10:41 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

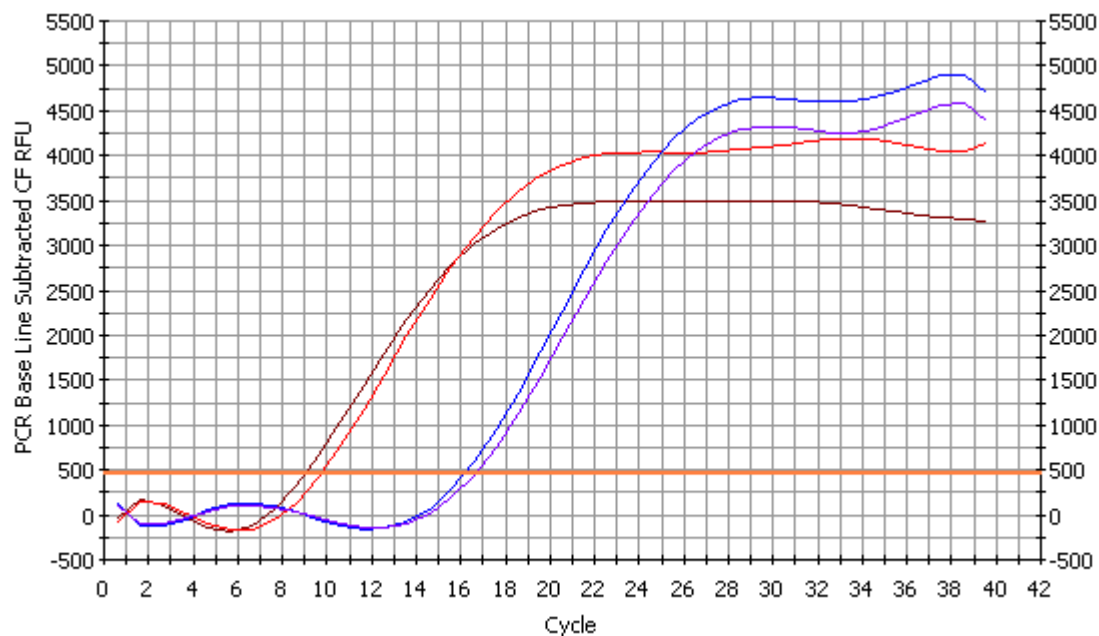
Sample volume: 50.00 ul  
Hot Start? No  
Well factor collection: Experimental Plate

### 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 **451.1**.

Per-well baseline cycles have been determined automatically.

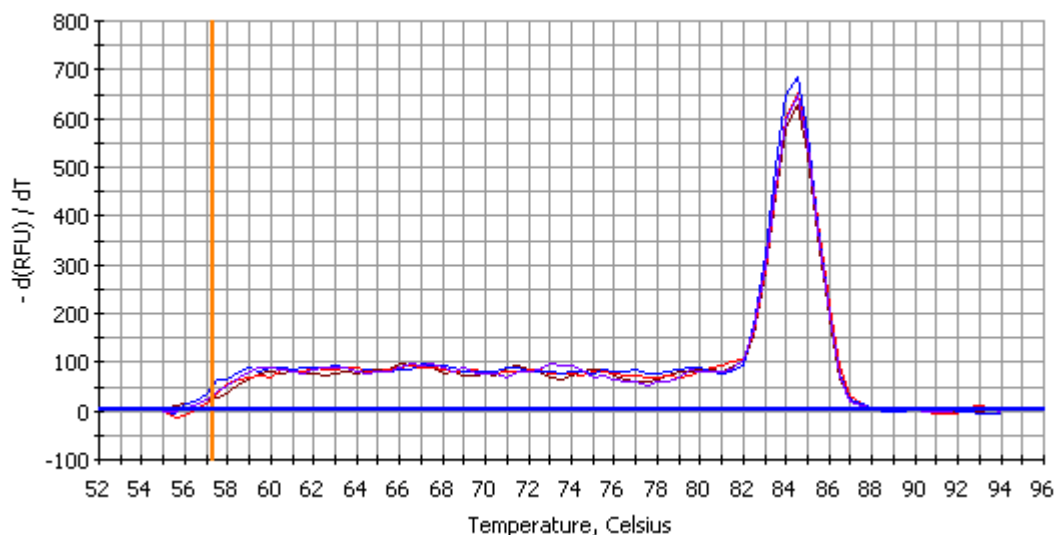
Data analysis window is set at **95.00%** of a cycle, centered at **end** of the cycle.

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

### PCR Quantification Spreadsheet Data for SYBR-490

Well	Identifier	Ct	Setpoint
B05	2377_methanol_1zu1	9.8	
D05	2377_methanol_1zu2	10.5	
F05	2377_acetat_1zu1	17.0	
H05	2377_acetat_1zu2	17.5	

### 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>B5</b>	2377_methanol_1zu1	B5.1	84.5	81.0	89.5
		B5.2	75.0	74.0	77
		B5.3	71.5	70.5	73.5
		B5.4	66.0	65.5	69.5
		B5.5	60.0	55.0	62.5
<b>D5</b>	2377_methanol_1zu2	D5.1	84.5	79.0	88.5
		D5.2	75.0	74.5	78
		D5.3	72.5	70.5	74.5
		D5.4	66.5	65.0	70
		D5.5	63.5	61.5	64.5
<b>F5</b>	2377_acetat_1zu1	F5.1	84.5	81.5	89
		F5.2	80.0	78.0	81
		F5.3	77.0	75.0	77.5
		F5.4	74.0	73.5	75
		F5.5	71.0	70.0	73.5
		F5.6	67.0	65.5	69
		F5.7	63.0	61.5	65
		F5.8	60.0	55.5	61
<b>H5</b>	2377_acetat_1zu2	H5.1	84.5	78.0	91
		H5.2	73.0	71.0	77.5
		H5.3	66.5	65.5	69.5
		H5.4	63.5	62.0	64.5
		H5.5	59.5	55.5	61.5

### **Modified Well Contents**

No wells have been modified.