



## 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

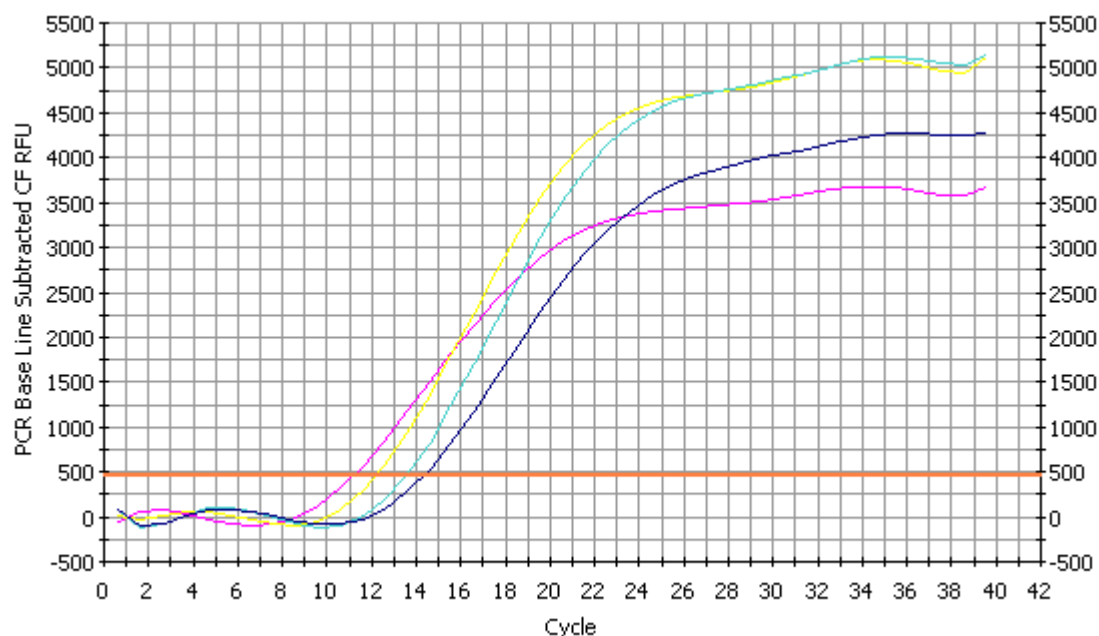
Sample volume: 50.00 ul  
Hot Start? No  
Well factor collection: Experimental Plate

### 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 **452.4**.

Per-well baseline cycles have been determined automatically.

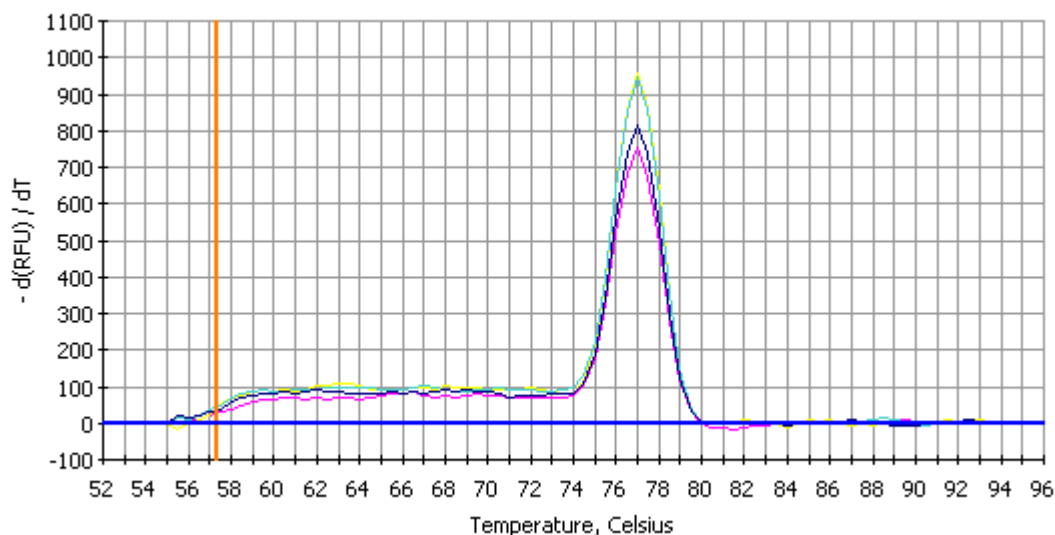
Data analysis window is set at **95.00%** of a cycle, centered at **end** of the cycle.

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

### PCR Quantification Spreadsheet Data for SYBR-490

Well	Identifier	Ct	Setpoint
B04	2842_methanol_1zu1	12.1	
D04	2842_methanol_1zu2	13.0	
F04	2842_acetat_1zu1	14.3	
H04	2842_acetat_1zu2	15.2	

### 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>B4</b>	2842_methanol_1zu1	B4.1	77.0	74.0	80
		B4.2	69.5	68.5	73.5
		B4.3	66.5	64.5	67.5
		B4.4	62.0	61.5	64
		B4.5	60.5	55.0	61.5
<b>D4</b>	2842_methanol_1zu2	D4.1	77.0	74.0	80
		D4.2	72.0	71.0	73.5
		D4.3	68.0	67.5	70
		D4.4	66.5	66.0	67.5
		D4.5	63.0	55.5	66
<b>F4</b>	2842_acetat_1zu1	F4.1	77.0	73.5	81
		F4.2	70.5	69.0	73
		F4.3	67.0	65.5	68.5
		F4.4	64.0	63.5	65
		F4.5	63.0	55.0	63.5
<b>H4</b>	2842_acetat_1zu2	H4.1	77.0	72.0	81.5
		H4.2	69.0	66.0	71
		H4.3	62.0	55.0	64.5

### **Modified Well Contents**

No wells have been modified.

