



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

Current Date: 01-Sep-03 10:42 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

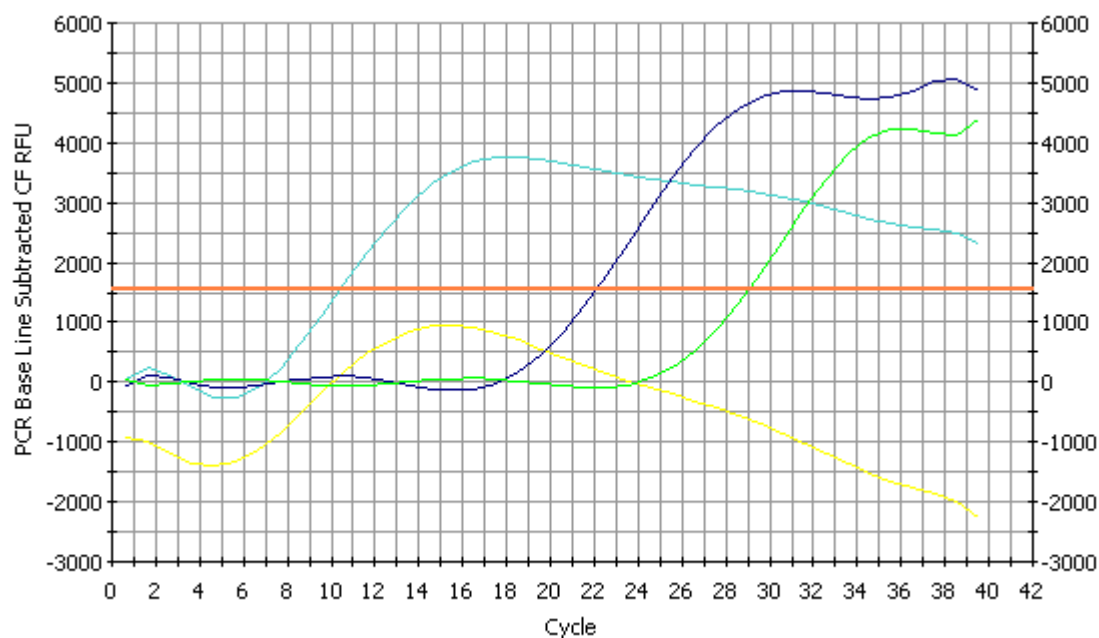
Sample volume: 50.00 ul
Hot Start? No
Well factor collection: Experimental Plate

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 **1,563.0**.

Per-well baseline cycles have been determined automatically.

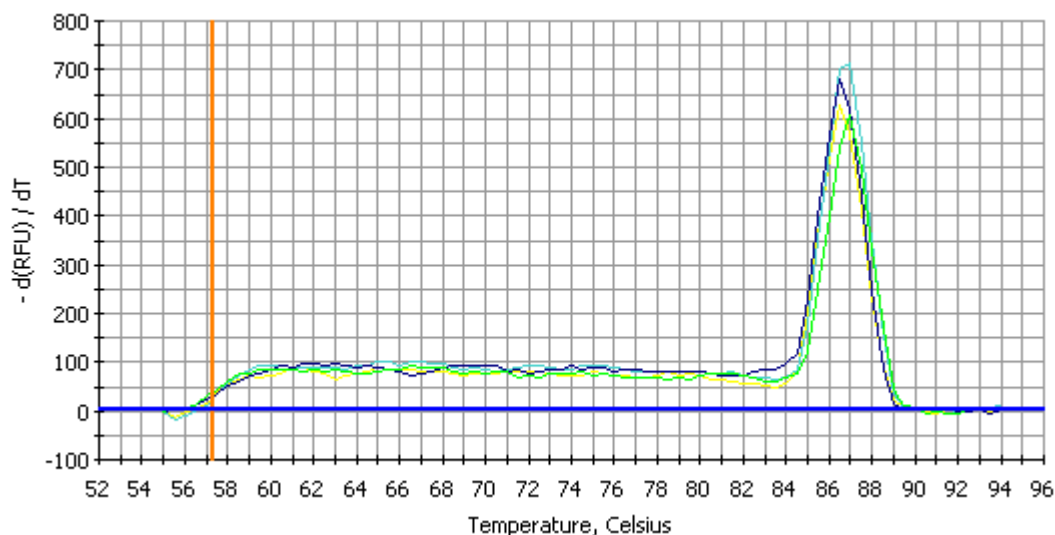
Data analysis window is set at **95.00%** of a cycle, centered at **end** of the cycle.

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

PCR Quantification Spreadsheet Data for SYBR-490

| Well | Identifier | Ct | Setpoint |
|------|--------------------|------|----------|
| B08 | 0294_methanol_1zu1 | 12.8 | |
| D08 | 0294_methanol_1zu2 | 8.8 | |
| F08 | 0294_acetat_1zu1 | 20.3 | |
| H08 | 0294_acetat_1zu2 | 27.1 | |

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 |
|-----------|------------------------------------|---------|-----------|-----------|----------|
| B8 | 0294_methanol_1zu1 | B8.1 | 86.5 | 84.0 | 91 |
| | | B8.2 | 78.5 | 77.5 | 83.5 |
| | | B8.3 | 75.0 | 74.5 | 77 |
| | | B8.4 | 72.0 | 69.5 | 74 |
| | | B8.5 | 65.0 | 63.5 | 69 |
| | | B8.6 | 61.0 | 56.0 | 63 |
| D8 | 0294_methanol_1zu2 | D8.1 | 87.0 | 83.5 | 90.5 |
| | | D8.2 | 65.5 | 64.5 | 66 |
| | | D8.3 | 59.5 | 56.0 | 63.5 |
| F8 | 0294_acetat_1zu1 | F8.1 | 86.5 | 82.0 | 89.5 |
| | | F8.2 | 79.5 | 79.0 | 81.5 |
| | | F8.3 | 74.0 | 72.5 | 76 |
| | | F8.4 | 69.0 | 67.0 | 72 |
| | | F8.5 | 64.5 | 64.0 | 66.5 |
| | | F8.6 | 63.0 | 55.0 | 64 |
| H8 | 0294_acetat_1zu2 | H8.1 | 87.0 | 84.0 | 90.5 |
| | | H8.2 | 81.5 | 80.0 | 83.5 |
| | | H8.3 | 74.5 | 73.0 | 79.5 |
| | | H8.4 | 70.5 | 70.0 | 72.5 |
| | | H8.5 | 66.5 | 64.5 | 69 |
| | | H8.6 | 61.0 | 55.0 | 64 |

Modified Well Contents

No wells have been modified.