



PCR Quantification Detailed Report
PCR Base Line Subtracted Curve Fit Data (FAM)
Contains All Available Data

General Data

| | |
|-------------------------------|--|
| Data File Name | Luitpold PBMC DNA FIVC 10-26-11.opd |
| Data File Path | C:\Program Files\Bio-Rad\iQ5\Users\Craig |
| Collected Data | Collected Data |
| Current Date | 10/26/2011 1:57:40 PM |
| Run Date | 10/26/2011 12:05:18 PM |
| User aborted the run | No |
| Active RMEs | Original |
| Active Well Factors | Dynamic |
| Background Readings Valid | Yes |
| RME Valid | Yes |
| Well Factors Valid | Yes |
| Plate Setup File Name | Luitpold PBMC DNA FIVC 10-26-11.pts |
| Plate Setup File Path | C:\Program Files\Bio-Rad\iQ5\Users\Craig |
| Protocol File Name | FIV-PPR.C36.tmo |
| Protocol File Path | C:\Program Files\Bio-Rad\iQ5\Users\Jesse |
| Computer name | HP30948312737 |
| Created by app | iQ5.exe (v2.0.148.60623. (OS-Microsoft Windows NT 5.1.2600.0.Service Pack 2, CLR-1.1.4322.2032, Culture-en-US).) |
| Created by user | BioRad\admin |
| Creation Date | 10/26/2011 12:05:18 PM |
| Created in Security Edition | No |
| Last Creation GUID | af4fc355-8f86-4281-a84d-f2e5f4964b30 |
| Modified by user | BioRad\admin |
| Last modified date | 10/26/2011 12:05:18 PM |
| OS Build and Service Pack | 2600 (Service Pack 2) |
| Report differs from last save | No |

Notes:

Protocol:

| | | |
|----------------|---------|------------|
| Cycle 1: (1X) | | |
| Step 1: | 55.0 °C | for 02:00. |
| Cycle 2: (1X) | | |
| Step 1: | 95.0 °C | for 08:30. |
| Cycle 3: (45X) | | |
| Step 1: | 95.0 °C | for 00:15. |
| Step 2: | 60.0 °C | for 01:00. |

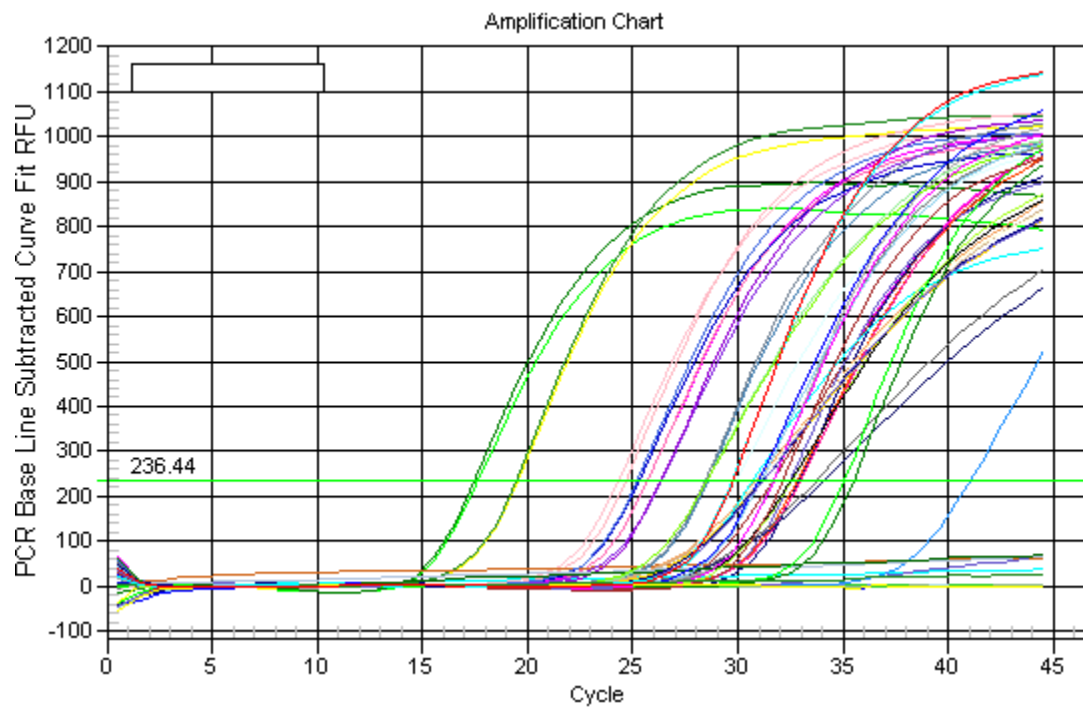
Data collection and real-time analysis enabled.

Modified Protocol:

Protocol unchanged

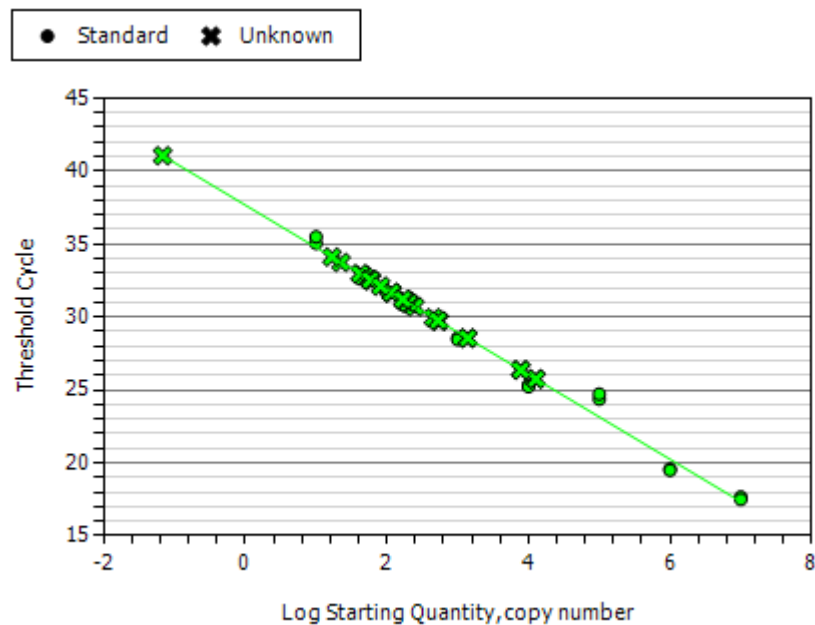
PCR Quantification Data

PCR Amp/Cycle Chart



Standard Curve Data

Standard Curve Chart



| | | | | |
|--------------|----------------------|----------------|--------------|--------------------|
| Fluor | PCR | R | Slope | y-Intercept |
| | Efficiency(%) | Squared | | |
| FAM | 121.0 | 0.985 | -2.904 | 37.668 |

| | | | |
|--------------|-----------------|-----------------|-----------------|
| Fluor | Units | Quantity | Original |
| | Changed? | Units | Units |
| FAM | No | copy number | copy number |

Number of valid standard wells: **None**

Standard Curve Spreadsheet Data

| Fluor | Well | Type | Ident. | Rep | Ct | Log SQ | SQ | SQ Mean | SQ SD | Ct Mean | Ct SD | Set Point |
|-------|------|------|--------|-----|-------|-----------|----------|------------|----------|------------|----------|--------------|
| FAM | A01 | Std | - | 1 | 17.66 | 7.000 | 1.00E+07 | 1.00E+07 | 0.00E+00 | 17.57 | 0.119 | N/A |
| FAM | A02 | Std | - | 1 | 17.49 | 7.000 | 1.00E+07 | 1.00E+07 | 0.00E+00 | 17.57 | 0.119 | N/A |
| FAM | A04 | Unkn | 4330 | 20 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | A05 | Unkn | 4330 | 20 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | A07 | Unkn | 4326 | 6 | 31.67 | 2.066 | 1.16E+02 | 1.17E+02 | 1.31E+00 | 31.66 | 0.014 | N/A |
| FAM | A08 | Unkn | 4326 | 6 | 31.65 | 2.073 | 1.18E+02 | 1.17E+02 | 1.31E+00 | 31.66 | 0.014 | N/A |
| FAM | A10 | Unkn | 4662 | 14 | 32.92 | 1.633 | 4.30E+01 | 5.20E+01 | 1.27E+01 | 32.70 | 0.312 | N/A |
| FAM | A11 | Unkn | 4662 | 14 | 32.48 | 1.785 | 6.10E+01 | 5.20E+01 | 1.27E+01 | 32.70 | 0.312 | N/A |
| FAM | B01 | Std | - | 2 | 19.58 | 6.000 | 1.00E+06 | 1.00E+06 | 0.00E+00 | 19.53 | 0.064 | N/A |
| FAM | B02 | Std | - | 2 | 19.49 | 6.000 | 1.00E+06 | 1.00E+06 | 0.00E+00 | 19.53 | 0.064 | N/A |
| FAM | B04 | Unkn | 4331 | 21 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | B05 | Unkn | 4331 | 21 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | B07 | Unkn | 4651 | 7 | 32.82 | 1.668 | 4.65E+01 | 4.42E+01 | 3.32E+00 | 32.89 | 0.095 | N/A |
| FAM | B08 | Unkn | 4651 | 7 | 32.96 | 1.621 | 4.18E+01 | 4.42E+01 | 3.32E+00 | 32.89 | 0.095 | N/A |
| FAM | B10 | Unkn | 4663 | 15 | 25.76 | 4.100 | 1.26E+04 | 1.27E+04 | 1.37E+02 | 25.75 | 0.014 | N/A |
| FAM | B11 | Unkn | 4663 | 15 | 25.74 | 4.107 | 1.28E+04 | 1.27E+04 | 1.37E+02 | 25.75 | 0.014 | N/A |
| FAM | C01 | Std | - | 3 | 24.36 | 5.000 | 1.00E+05 | 1.00E+05 | 0.00E+00 | 24.54 | 0.249 | N/A |
| FAM | C02 | Std | - | 3 | 24.71 | 5.000 | 1.00E+05 | 1.00E+05 | 0.00E+00 | 24.54 | 0.249 | N/A |
| FAM | C04 | Unkn | 4652 | 2 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | C05 | Unkn | 4652 | 2 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | C07 | Unkn | 4653 | 8 | 30.87 | 2.339 | 2.18E+02 | 1.97E+02 | 3.04E+01 | 31.01 | 0.195 | N/A |
| FAM | C08 | Unkn | 4653 | 8 | 31.15 | 2.244 | 1.75E+02 | 1.97E+02 | 3.04E+01 | 31.01 | 0.195 | N/A |
| FAM | C10 | Unkn | 4665 | 16 | 31.02 | 2.290 | 1.95E+02 | 1.85E+02 | 1.45E+01 | 31.09 | 0.099 | N/A |
| FAM | C11 | Unkn | 4665 | 16 | 31.16 | 2.242 | 1.74E+02 | 1.85E+02 | 1.45E+01 | 31.09 | 0.099 | N/A |
| FAM | D01 | Std | - | 4 | 25.33 | 4.000 | 1.00E+04 | 1.00E+04 | 0.00E+00 | 25.27 | 0.075 | N/A |
| FAM | D02 | Std | - | 4 | 25.22 | 4.000 | 1.00E+04 | 1.00E+04 | 0.00E+00 | 25.27 | 0.075 | N/A |
| FAM | D04 | Unkn | 4656 | 3 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | D05 | Unkn | 4656 | 3 | 41.06 | -1.167 | 6.81E-02 | 6.81E-02 | 0.00E+00 | 41.06 | 0.000 | N/A |
| FAM | D07 | Unkn | 4654 | 9 | 30.71 | 2.397 | 2.50E+02 | 3.53E+02 | 1.46E+02 | 30.33 | 0.536 | N/A |
| FAM | D08 | Unkn | 4654 | 9 | 29.95 | 2.659 | 4.56E+02 | 3.53E+02 | 1.46E+02 | 30.33 | 0.536 | N/A |
| FAM | D10 | Unkn | 4667 | 17 | 33.74 | 1.353 | 2.25E+01 | 1.96E+01 | 4.09E+00 | 33.93 | 0.264 | N/A |
| FAM | D11 | Unkn | 4667 | 17 | 34.11 | 1.224 | 1.67E+01 | 1.96E+01 | 4.09E+00 | 33.93 | 0.264 | N/A |
| FAM | E01 | Std | - | 5 | 28.56 | 3.000 | 1.00E+03 | 1.00E+03 | 0.00E+00 | 28.50 | 0.082 | N/A |
| FAM | E02 | Std | - | 5 | 28.45 | 3.000 | 1.00E+03 | 1.00E+03 | 0.00E+00 | 28.50 | 0.082 | N/A |
| FAM | E04 | Unkn | 4661 | 22 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | E05 | Unkn | 4661 | 22 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | E07 | Unkn | 4655 | 10 | 26.38 | 3.887 | 7.71E+03 | 7.78E+03 | 8.98E+01 | 26.37 | 0.015 | N/A |
| FAM | E08 | Unkn | 4655 | 10 | 26.36 | 3.894 | 7.84E+03 | 7.78E+03 | 8.98E+01 | 26.37 | 0.015 | N/A |
| FAM | E10 | Unkn | 4669 | 23 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | E11 | Unkn | 4669 | 23 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | F01 | Std | - | 6 | 31.67 | 2.000 | 1.00E+02 | 1.00E+02 | 0.00E+00 | 31.66 | 0.010 | N/A |
| FAM | F02 | Std | - | 6 | 31.66 | 2.000 | 1.00E+02 | 1.00E+02 | 0.00E+00 | 31.66 | 0.010 | N/A |
| FAM | F04 | Unkn | 4664 | 4 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | F05 | Unkn | 4664 | 4 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | F07 | Unkn | 4657 | 11 | 28.56 | 3.137 | 1.37E+03 | 1.38E+03 | 1.03E+01 | 28.55 | 0.009 | N/A |
| FAM | F08 | Unkn | 4657 | 11 | 28.54 | 3.142 | 1.39E+03 | 1.38E+03 | 1.03E+01 | 28.55 | 0.009 | N/A |
| FAM | F10 | Unkn | 4670 | 18 | 32.58 | 1.753 | 5.66E+01 | 5.76E+01 | 1.44E+00 | 32.55 | 0.031 | N/A |
| FAM | F11 | Unkn | 4670 | 18 | 32.53 | 1.768 | 5.86E+01 | 5.76E+01 | 1.44E+00 | 32.55 | 0.031 | N/A |
| FAM | G01 | Std | - | 7 | 35.05 | 1.000 | 1.00E+01 | 1.00E+01 | 0.00E+00 | 35.27 | 0.316 | N/A |
| FAM | G02 | Std | - | 7 | 35.50 | 1.000 | 1.00E+01 | 1.00E+01 | 0.00E+00 | 35.27 | 0.316 | N/A |
| FAM | G04 | Unkn | 4666 | 5 | 31.09 | 2.264 | 1.84E+02 | 1.92E+02 | 1.14E+01 | 31.04 | 0.075 | N/A |
| FAM | G05 | Unkn | 4666 | 5 | 30.99 | 2.300 | 2.00E+02 | 1.92E+02 | 1.14E+01 | 31.04 | 0.075 | N/A |
| FAM | G07 | Unkn | 4658 | 12 | 31.68 | 2.062 | 1.15E+02 | 9.85E+01 | 2.38E+01 | 31.90 | 0.307 | N/A |
| FAM | G08 | Unkn | 4658 | 12 | 32.11 | 1.912 | 8.17E+01 | 9.85E+01 | 2.38E+01 | 31.90 | 0.307 | N/A |
| FAM | G10 | Unkn | 4671 | 19 | 31.17 | 2.239 | 1.73E+02 | 1.70E+02 | 4.29E+00 | 31.19 | 0.032 | N/A |
| FAM | G11 | Unkn | 4671 | 19 | 31.21 | 2.224 | 1.67E+02 | 1.70E+02 | 4.29E+00 | 31.19 | 0.032 | N/A |
| FAM | H01 | NTC | - | 1 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |
| FAM | H02 | NTC | - | 1 | N/A | N/A | 0.00E+00 | 0.00E+00 | 0.00E+00 | .00 | 0.000 | N/A |

| | | | | | | | | | | | | |
|-----|-----|------|------|----|-------|-------|----------|----------|----------|-------|-------|-----|
| FAM | H07 | Unkn | 4659 | 13 | 29.71 | 2.740 | 5.49E+02 | 5.39E+02 | 1.47E+01 | 29.74 | 0.035 | N/A |
| FAM | H08 | Unkn | 4659 | 13 | 29.76 | 2.723 | 5.28E+02 | 5.39E+02 | 1.47E+01 | 29.74 | 0.035 | N/A |

Run Parameters

Hot Start? **No**
Temperature Control Mode: **Algorithmic**
Volume: **25 ul**

Data Analysis Parameters

Display Controls

Fluor Display Mode
FAM SinglePoint

Data Selection

Fluor Data Window Center
Size
FAM 99% End

Digital Filtering

Fluor Global Filter PCR Digital Smoothing Filter
Enabled? Filter Type Desired Width
FAM Off Weighted Mean 5

PCR Data Analysis Method

Fluor Data Analysis Method
FAM PCR Base Line Subtracted Curve Fit

PCR Baseline Data Analysis Parameters

Baseline Calculation

Fluor Baseline Auto Baseline Global Baseline Cycles
Method Cycle Calculation? Start End
FAM Data Window Yes N/A N/A

Overriden Baseline Cycles None

Threshold Calculation

Fluor Use Auto Auto Calculated User Defined
Threshold? Threshold Value Threshold Value
FAM Yes 236.44 236.44

Excluded Wells

Excluded Well Count: 0

Modified Wells

Modified Well Count: 0

End