



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

**General Data**

Data File Name	OralTissueRNA_Thymus.opd
Data File Path	C:\Program Files\Bio-Rad\iQ5\Users\historical users\Karen
Collected Data	<b>Collected Data</b>
Current Date	9/9/2010 12:58:32 PM
Run Date	9/8/2010 1:56:38 PM
User aborted the run	No
Active RMEs	Original
Active Well Factors	Dynamic
Background Readings Valid	Yes
RME Valid	Yes
Well Factors Valid	No, data is 446 day(s) old.
Plate Setup File Name	OralTissueRNA_Thymus.pts
Plate Setup File Path	C:\Program Files\Bio-Rad\iQ5\Users\historical users\Karen
Protocol File Name	FIV-PPR.C36.tmo
Protocol File Path	C:\Program Files\Bio-Rad\iQ5\Users\historical users\Karen
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	9/8/2010 1:56:38 PM
Created in Security Edition	No
Last Creation GUID	cbf72a6-3971-47f7-ac1f-61edffa02a36
Modified by user	BioRad\admin
Last modified date	9/8/2010 1:56:38 PM
OS Build and Service Pack	2600 (Service Pack 2)
Report differs from last save	Yes

**Notes:**

**Protocol:**

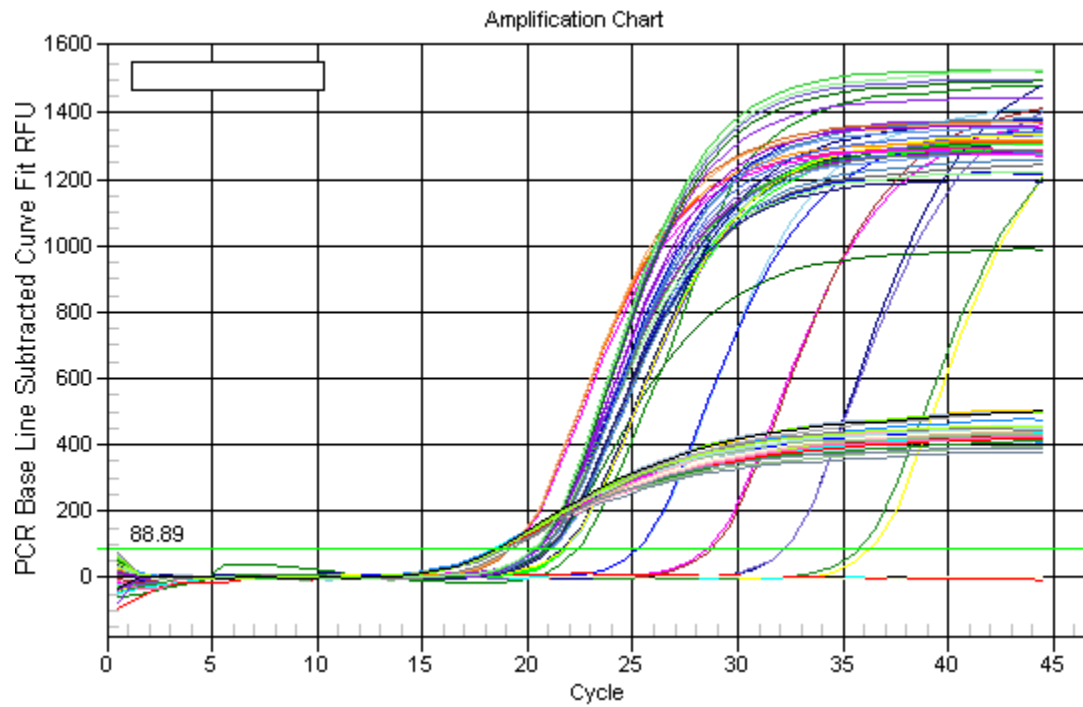
Cycle 1: (1X)		
Step 1:	55.0 °C	for 02:00.
Cycle 2: (1X)		
Step 1:	95.0 °C	for 08:30.
Cycle 3: (45X)		
Step 1:	95.0 °C	for 00:15.
Step 2:	60.0 °C	for 01:00.
Data collection and real-time analysis enabled.		

**Modified Protocol:**

Protocol unchanged

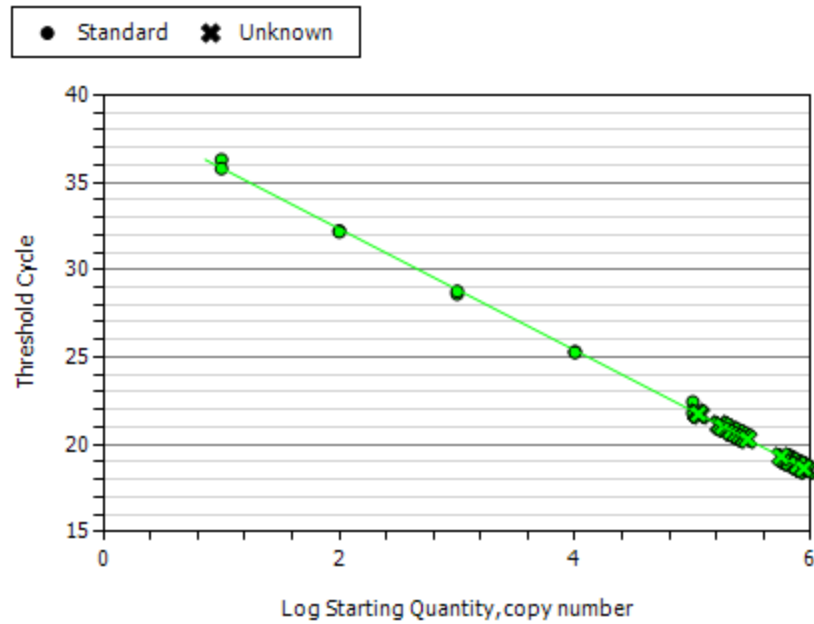
## PCR Quantification Data

### PCR Amp/Cycle Chart



## Standard Curve Data

### Standard Curve Chart



<b>Fluor</b>	<b>PCR Efficiency(%)</b>	<b>R Squared</b>	<b>Slope</b>	<b>y-Intercept</b>
FAM	94.0	0.997	-3.475	39.296

<b>Fluor</b>	<b>Units Changed?</b>	<b>Quantity Units</b>	<b>Original Units</b>
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	21.81	5.000	1.00E+05	1.00E+05	0.00E+00	22.12	0.448	N/A
FAM	A02	Std	-	1	22.44	5.000	1.00E+05	1.00E+05	0.00E+00	22.12	0.448	N/A
FAM	A03	Std	-	2	25.31	4.000	1.00E+04	1.00E+04	0.00E+00	25.29	0.028	N/A
FAM	A04	Std	-	2	25.27	4.000	1.00E+04	1.00E+04	0.00E+00	25.29	0.028	N/A
FAM	A05	Std	-	3	28.61	3.000	1.00E+03	1.00E+03	0.00E+00	28.69	0.114	N/A
FAM	A06	Std	-	3	28.77	3.000	1.00E+03	1.00E+03	0.00E+00	28.69	0.114	N/A
FAM	A07	Std	-	4	32.23	2.000	1.00E+02	1.00E+02	0.00E+00	32.20	0.038	N/A
FAM	A08	Std	-	4	32.17	2.000	1.00E+02	1.00E+02	0.00E+00	32.20	0.038	N/A
FAM	A09	Std	-	5	36.30	1.000	1.00E+01	1.00E+01	0.00E+00	36.05	0.358	N/A
FAM	A10	Std	-	5	35.79	1.000	1.00E+01	1.00E+01	0.00E+00	36.05	0.358	N/A
FAM	A11	Std	-	6	N/A	0.000	1.00E+00	0.00E+00	0.00E+00	.00	0.000	N/A
FAM	A12	Std	-	6	N/A	0.000	1.00E+00	0.00E+00	0.00E+00	.00	0.000	N/A
FAM	B11	NTC	FIV H2O	1	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	.00	0.000	N/A
FAM	C01	Unkn	4666 FIVC	1	21.05	5.249	1.77E+05	1.74E+05	5.57E+03	21.08	0.049	N/A
FAM	C02	Unkn	4666 FIVC	1	21.05	5.249	1.78E+05	1.74E+05	5.57E+03	21.08	0.049	N/A
FAM	C03	Unkn	4666 FIVC	1	21.14	5.225	1.68E+05	1.74E+05	5.57E+03	21.08	0.049	N/A
FAM	C04	Unkn	4654 FIVC	2	18.63	5.946	8.82E+05	8.91E+05	5.11E+04	18.62	0.086	N/A
FAM	C05	Unkn	4654 FIVC	2	18.53	5.976	9.46E+05	8.91E+05	5.11E+04	18.62	0.086	N/A
FAM	C06	Unkn	4654 FIVC	2	18.70	5.927	8.45E+05	8.91E+05	5.11E+04	18.62	0.086	N/A
FAM	C07	Unkn	4666 Gap	3	20.96	5.277	1.89E+05	1.83E+05	1.08E+04	21.01	0.090	N/A
FAM	C08	Unkn	4666 Gap	3	20.96	5.278	1.90E+05	1.83E+05	1.08E+04	21.01	0.090	N/A
FAM	C09	Unkn	4666 Gap	3	21.11	5.232	1.71E+05	1.83E+05	1.08E+04	21.01	0.090	N/A
FAM	C10	Unkn	4654 Gap	4	19.13	5.804	6.37E+05	7.73E+05	1.18E+05	18.85	0.243	N/A
FAM	C11	Unkn	4654 Gap	4	18.72	5.920	8.31E+05	7.73E+05	1.18E+05	18.85	0.243	N/A

FAM	C12	Unkn	4654 Gap	4	18.69	5.930	8.50E+05	7.73E+05	1.18E+05	18.85	0.243	N/A
FAM	D01	Unkn	4662 FIVC	5	20.35	5.453	2.84E+05	2.68E+05	1.51E+04	20.43	0.085	N/A
FAM	D02	Unkn	4662 FIVC	5	20.51	5.405	2.54E+05	2.68E+05	1.51E+04	20.43	0.085	N/A
FAM	D03	Unkn	4662 FIVC	5	20.44	5.425	2.66E+05	2.68E+05	1.51E+04	20.43	0.085	N/A
FAM	D04	Unkn	4667 FIVC	6	19.07	5.820	6.61E+05	6.94E+05	8.43E+04	19.00	0.179	N/A
FAM	D05	Unkn	4667 FIVC	6	18.80	5.898	7.90E+05	6.94E+05	8.43E+04	19.00	0.179	N/A
FAM	D06	Unkn	4667 FIVC	6	19.14	5.801	6.32E+05	6.94E+05	8.43E+04	19.00	0.179	N/A
FAM	D07	Unkn	4662 Gap	7	20.95	5.278	1.90E+05	2.23E+05	2.86E+04	20.72	0.202	N/A
FAM	D08	Unkn	4662 Gap	7	20.61	5.378	2.39E+05	2.23E+05	2.86E+04	20.72	0.202	N/A
FAM	D09	Unkn	4662 Gap	7	20.60	5.379	2.39E+05	2.23E+05	2.86E+04	20.72	0.202	N/A
FAM	D10	Unkn	4667 Gap	8	19.11	5.808	6.42E+05	6.87E+05	5.44E+04	19.02	0.118	N/A
FAM	D11	Unkn	4667 Gap	8	19.05	5.826	6.70E+05	6.87E+05	5.44E+04	19.02	0.118	N/A
FAM	D12	Unkn	4667 Gap	8	18.88	5.873	7.47E+05	6.87E+05	5.44E+04	19.02	0.118	N/A
FAM	E01	Unkn	4671 FIVC	9	21.80	5.036	1.09E+05	1.10E+05	1.60E+03	21.78	0.022	N/A
FAM	E02	Unkn	4671 FIVC	9	21.79	5.038	1.09E+05	1.10E+05	1.60E+03	21.78	0.022	N/A
FAM	E03	Unkn	4671 FIVC	9	21.75	5.047	1.12E+05	1.10E+05	1.60E+03	21.78	0.022	N/A
FAM	E04	Unkn	4326 FIVC	10	18.58	5.960	9.13E+05	8.37E+05	6.66E+04	18.72	0.118	N/A
FAM	E05	Unkn	4326 FIVC	10	18.80	5.896	7.88E+05	8.37E+05	6.66E+04	18.72	0.118	N/A
FAM	E06	Unkn	4326 FIVC	10	18.76	5.909	8.12E+05	8.37E+05	6.66E+04	18.72	0.118	N/A
FAM	E07	Unkn	4671 Gap	11	21.69	5.065	1.16E+05	1.13E+05	2.43E+03	21.73	0.032	N/A
FAM	E08	Unkn	4671 Gap	11	21.74	5.051	1.12E+05	1.13E+05	2.43E+03	21.73	0.032	N/A
FAM	E09	Unkn	4671 Gap	11	21.75	5.048	1.12E+05	1.13E+05	2.43E+03	21.73	0.032	N/A
FAM	E10	Unkn	4326 Gap	12	18.91	5.865	7.33E+05	7.40E+05	9.32E+03	18.90	0.019	N/A
FAM	E11	Unkn	4326 Gap	12	18.88	5.875	7.51E+05	7.40E+05	9.32E+03	18.90	0.019	N/A
FAM	E12	Unkn	4326 Gap	12	18.91	5.867	7.36E+05	7.40E+05	9.32E+03	18.90	0.019	N/A
FAM	F01	Unkn	4669 FIVC	13	19.19	5.786	6.10E+05	6.09E+05	1.48E+04	19.19	0.037	N/A
FAM	F02	Unkn	4669 FIVC	13	19.16	5.794	6.22E+05	6.09E+05	1.48E+04	19.19	0.037	N/A
FAM	F03	Unkn	4669 FIVC	13	19.23	5.773	5.93E+05	6.09E+05	1.48E+04	19.19	0.037	N/A
FAM	F04	Unkn	4658 FIVC	14	19.18	5.788	6.13E+05	6.55E+05	3.97E+04	19.08	0.092	N/A
FAM	F05	Unkn	4658 FIVC	14	19.07	5.820	6.61E+05	6.55E+05	3.97E+04	19.08	0.092	N/A
FAM	F06	Unkn	4658 FIVC	14	19.00	5.840	6.92E+05	6.55E+05	3.97E+04	19.08	0.092	N/A
FAM	F07	Unkn	4669 Gap	15	19.22	5.776	5.97E+05	6.11E+05	1.62E+04	19.19	0.040	N/A
FAM	F08	Unkn	4669 Gap	15	19.15	5.798	6.29E+05	6.11E+05	1.62E+04	19.19	0.040	N/A
FAM	F09	Unkn	4669 Gap	15	19.20	5.782	6.06E+05	6.11E+05	1.62E+04	19.19	0.040	N/A
FAM	F10	Unkn	4658 Gap	16	19.03	5.832	6.80E+05	7.02E+05	1.24E+05	18.99	0.264	N/A
FAM	F11	Unkn	4658 Gap	16	19.24	5.771	5.90E+05	7.02E+05	1.24E+05	18.99	0.264	N/A
FAM	F12	Unkn	4658 Gap	16	18.71	5.922	8.36E+05	7.02E+05	1.24E+05	18.99	0.264	N/A
FAM	G01	Unkn	4657 FIVC	17	20.74	5.340	2.19E+05	2.15E+05	3.13E+03	20.76	0.022	N/A
FAM	G02	Unkn	4657 FIVC	17	20.78	5.329	2.13E+05	2.15E+05	3.13E+03	20.76	0.022	N/A
FAM	G03	Unkn	4657 FIVC	17	20.78	5.329	2.13E+05	2.15E+05	3.13E+03	20.76	0.022	N/A
FAM	G04	Unkn	4653 FIVC	18	18.57	5.965	9.23E+05	8.66E+05	5.42E+04	18.66	0.094	N/A
FAM	G05	Unkn	4653 FIVC	18	18.67	5.935	8.62E+05	8.66E+05	5.42E+04	18.66	0.094	N/A
FAM	G06	Unkn	4653 FIVC	18	18.75	5.911	8.14E+05	8.66E+05	5.42E+04	18.66	0.094	N/A
FAM	G07	Unkn	4657 Gap	19	20.72	5.346	2.22E+05	2.05E+05	2.18E+04	20.84	0.165	N/A
FAM	G08	Unkn	4657 Gap	19	21.03	5.256	1.80E+05	2.05E+05	2.18E+04	20.84	0.165	N/A
FAM	G09	Unkn	4657 Gap	19	20.78	5.329	2.13E+05	2.05E+05	2.18E+04	20.84	0.165	N/A
FAM	G10	Unkn	4653 Gap	20	19.03	5.830	6.77E+05	7.57E+05	7.41E+04	18.87	0.150	N/A
FAM	G11	Unkn	4653 Gap	20	18.74	5.915	8.22E+05	7.57E+05	7.41E+04	18.87	0.150	N/A
FAM	G12	Unkn	4653 Gap	20	18.83	5.888	7.73E+05	7.57E+05	7.41E+04	18.87	0.150	N/A
FAM	H01	Unkn	4670 FIVC	21	20.57	5.389	2.45E+05	2.45E+05	9.16E+03	20.57	0.056	N/A
FAM	H02	Unkn	4670 FIVC	21	20.62	5.373	2.36E+05	2.45E+05	9.16E+03	20.57	0.056	N/A
FAM	H03	Unkn	4670 FIVC	21	20.51	5.406	2.54E+05	2.45E+05	9.16E+03	20.57	0.056	N/A
FAM	H04	Unkn	4651 FIVC	22	18.68	5.932	8.55E+05	7.51E+05	1.63E+05	18.90	0.355	N/A
FAM	H05	Unkn	4651 FIVC	22	19.31	5.750	5.63E+05	7.51E+05	1.63E+05	18.90	0.355	N/A
FAM	H06	Unkn	4651 FIVC	22	18.72	5.922	8.35E+05	7.51E+05	1.63E+05	18.90	0.355	N/A
FAM	H07	Unkn	4670 Gap	23	20.41	5.436	2.73E+05	2.81E+05	1.05E+04	20.36	0.056	N/A
FAM	H08	Unkn	4670 Gap	23	20.38	5.442	2.77E+05	2.81E+05	1.05E+04	20.36	0.056	N/A
FAM	H09	Unkn	4670 Gap	23	20.30	5.466	2.93E+05	2.81E+05	1.05E+04	20.36	0.056	N/A
FAM	H10	Unkn	4651 Gap	24	18.79	5.901	7.96E+05	8.19E+05	5.14E+04	18.75	0.093	N/A
FAM	H11	Unkn	4651 Gap	24	18.82	5.893	7.82E+05	8.19E+05	5.14E+04	18.75	0.093	N/A
FAM	H12	Unkn	4651 Gap	24	18.64	5.943	8.77E+05	8.19E+05	5.14E+04	18.75	0.093	N/A

## Run Parameters

Hot Start?

No

Temperature Control Mode:

Algorithmic

Volume:

25 ul

## Data Analysis Parameters

## *Display Controls*

<b>Fluor</b>	<b>Display Mode</b>
FAM	SinglePoint

### **Data Selection**

<b>Fluor</b>	<b>Data Window Size</b>	<b>Center</b>
FAM	99%	End

### **Digital Filtering**

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

### **PCR Data Analysis Method**

<b>Fluor</b>	<b>Data Analysis Method</b>
FAM	PCR Base Line Subtracted Curve Fit

### **PCR Baseline Data Analysis Parameters**

#### **Baseline Calculation**

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

**Overriden Baseline Cycles**      None

#### **Threshold Calculation**

<b>Fluor</b>	<b>Use Auto Threshold?</b>	<b>Auto Calculated Threshold Value</b>	<b>User Defined Threshold Value</b>
FAM	Yes	88.89	88.90

#### **Excluded Wells**

Excluded Well Count:      11

<b>Fluor</b>	<b>Well</b>
FAM	B1:<no identifier>
FAM	B2:<no identifier>
FAM	B3:<no identifier>
FAM	B4:<no identifier>
FAM	B5:<no identifier>
FAM	B6:<no identifier>
FAM	B7:<no identifier>
FAM	B8:<no identifier>
FAM	B9:<no identifier>
FAM	B10:<no identifier>
FAM	B12:Gap H20

***Modified Wells***

Modified Well Count: 0

**End**