

# Quantitation Report

## Experiment Information

|                         |                                  |
|-------------------------|----------------------------------|
| Run Name                | Monoplexe PC2 Cy5 2016-08-12 (3) |
| Run Start               | 2016-08-12 14:15:37              |
| Run Finish              | 2016-08-12 15:23:58              |
| Operator                |                                  |
| Notes                   | Cy5 PC2 monoplexe                |
| Run On Software Version | Rotor-Gene 1.7.87                |
| Run Signature           | The Run Signature is valid.      |
| Gain Yellow             | 5,                               |
| Gain Red                | 5,                               |

## Quantitation Information

|                               |  |
|-------------------------------|--|
| Threshold                     | 0,018                                    |
| Left Threshold                | 1,000                                    |
| Standard Curve Imported       | No                                       |
| Standard Curve (1)            | conc= 10 <sup>^(-0,154*CT + 2,229)</sup> |
| Standard Curve (2)            | CT = -6,502*log(conc) + 14,494           |
| Reaction efficiency (*)       | 0,42496 (* = 10 <sup>^(-1/m) - 1</sup> ) |
| M                             | -6,50184                                 |
| B                             | 14,4941                                  |
| R Value                       | 0,98335                                  |
| R <sup>2</sup> Value          | 0,96697                                  |
| Start normalising from cycle  | 1  |
| Noise Slope Correction        | No                                       |
| No Template Control Threshold | 0%                                       |
| Reaction Efficiency Threshold | Disabled                                 |
| Normalisation Method          | Dynamic Tube Normalisation               |
| Digital Filter                | Light                                    |
| Sample Page                   | Page 1                                   |
| Imported Analysis Settings    |  |

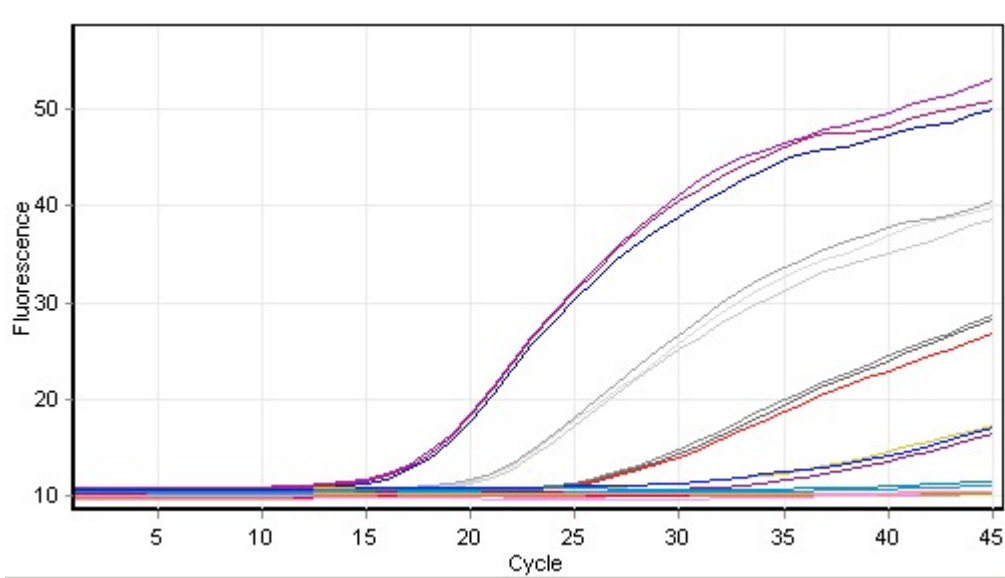
## Messages

**Message**

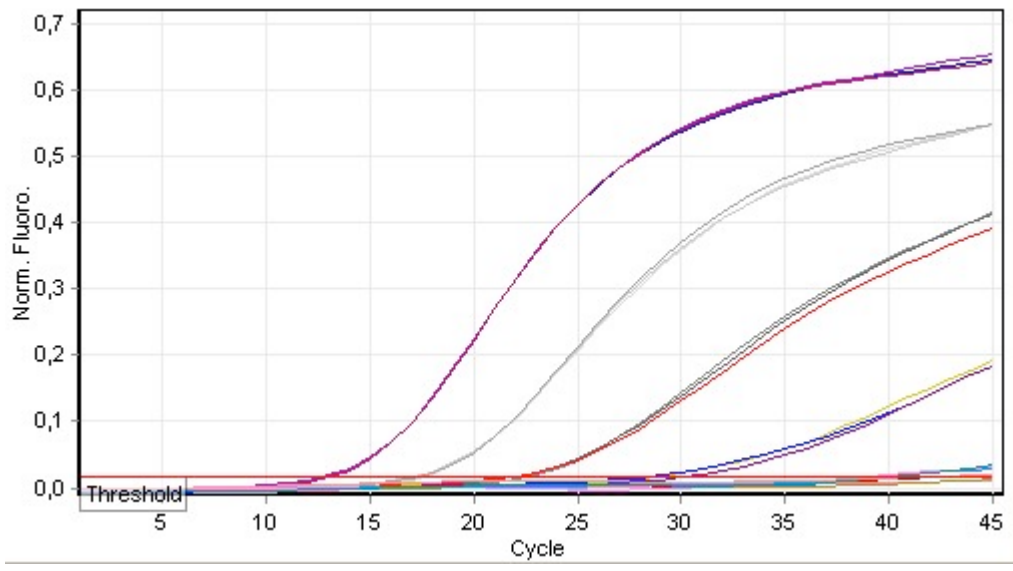
**Profile**

| Cycle                     | Cycle Point   |
|---------------------------|---|
| Hold @ 95°C, 5 min 0 secs |   |
| Cycling (45 repeats)      | Step 1 @ 95°C, hold 15 secs   |
|                           | Step 2 @ 60°C, hold 15 secs, acquiring to Cycling A([Red][4][7],[Yellow][2][2]) |

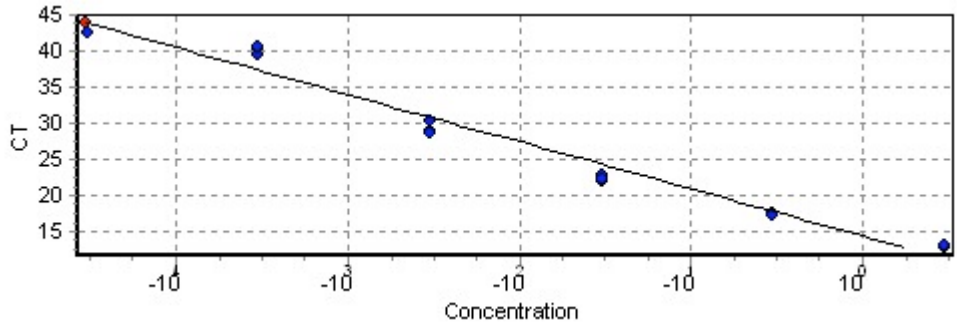
**Raw Data For Cycling A.Red**










**Quantitation data for Cycling A.Red**



**Standard Curve**



| No. | Colour | Name         | Type     | Ct    | Given Conc (ng/reaction) | Calc Conc (ng/reaction) | % Var  |
|-----|--------|--------------|----------|-------|--------------------------|-------------------------|--------|
| 19  |        | NTC          | NTC      |       |                          |                         |        |
| 20  |        | NTC          | NTC      | 43,95 |                          | 2,94579758461009E-05    |        |
| 21  |        | NTC          | NTC      |       |                          |                         |        |
| 25  |        | Cy5 PC100(2) | Standard | 12,94 | 3                        | 1,73393723328695        | 42,2%  |
| 26  |        | Cy5 PC100(2) | Standard | 12,89 | 3                        | 1,76219967983945        | 41,3%  |
| 27  |        | Cy5 PC100(2) | Standard | 13,18 | 3                        | 1,59018034565568        | 47,0%  |
| 28  |        | Cy5 PC100(2) | Standard | 17,71 | 0,3                      | 0,320538739457345       | 6,8%   |
| 29  |        | Cy5 PC100(2) | Standard | 17,32 | 0,3                      | 0,367061871396402       | 22,4%  |
| 30  |        | Cy5 PC100(2) | Standard | 17,38 | 0,3                      | 0,359461439846958       | 19,8%  |
| 31  |        | Cy5 PC100(2) | Standard | 22,77 | 0,03                     | 5,32933826588312E-02    | 77,6%  |
| 32  |        | Cy5 PC100(2) | Standard | 22,09 | 0,03                     | 6,77912095633304E-02    | 126,0% |
| 33  |        | Cy5 PC100(2) | Standard | 22,19 | 0,03                     | 6,55405868773424E-02    | 118,5% |

| No. | Colour  | Name         | Type     | Ct    | Given Conc (ng/reaction) | Calc Conc (ng/reaction) | % Var  |
|-----|---|--------------|----------|-------|--------------------------|-------------------------|--------|
| 34  |  | Cy5 PC100(2) | Standard | 28,95 | 0,003                    | 5,98814047040287E-03    | 99,6%  |
| 35  |  | Cy5 PC100(2) | Standard | 28,72 | 0,003                    | 6,47999423830751E-03    | 116,0% |
| 36  |  | Cy5 PC100(2) | Standard | 30,49 | 0,003                    | 3,4657063433093E-03     | 15,5%  |
| 37  |  | Cy5 PC100(2) | Standard | 39,38 | 0,0003                   | 1,48521902590113E-04    | 50,5%  |
| 38  |  | Cy5 PC100(2) | Standard | 40,47 | 0,0003                   | 1,01139496064245E-04    | 66,3%  |
| 39  |  | Cy5 PC100(2) | Standard | 40,66 | 0,0003                   | 9,45354446994871E-05    | 68,5%  |
| 40  |  | Cy5 PC100(2) | Standard | 42,67 | 0,00003                  | 4,63246106759957E-05    | 54,4%  |

**Warning: The following samples were not analysed :**

1-Cy5 PC50(5) 2-Cy5 PC50(5) 3-Cy5 PC50(5) 4-Cy5 PC50(5) 5-Cy5 PC50(5) 6-Cy5 PC50(5) 7-Cy5 PC50(5) 8-Cy5 PC50(5) 9-Cy5 PC50(5) 10-Cy5 PC50(5) 11-Cy5 PC50(5) 12-Cy5 PC50(5) 13-Cy5 PC50(5) 14-Cy5 PC50(5) 15-Cy5 PC50(5) 16-Cy5 PC50(5) 17-Cy5 PC50(5) 18-Cy5 PC50(5) 41-Cy5 PC100(2) 42-Cy5 PC100(2)

**Legend:**

NEG (NTC) - Sample cancelled due to NTC Threshold.

NEG (R. Eff) - Sample cancelled as efficiency less than reaction efficiency threshold.



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