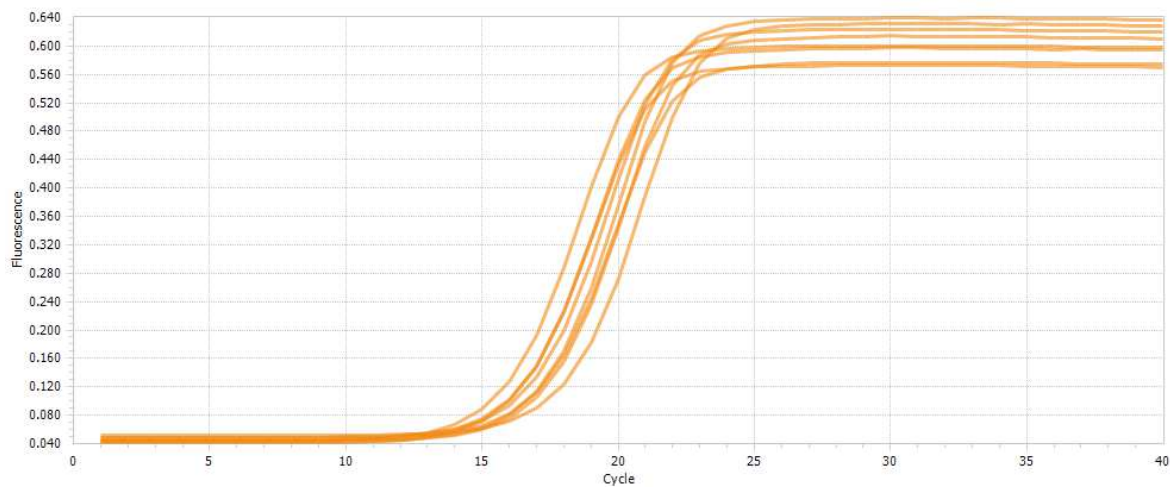


Testimonial to EPIK™ miRNA Select Lo-Rox Kit

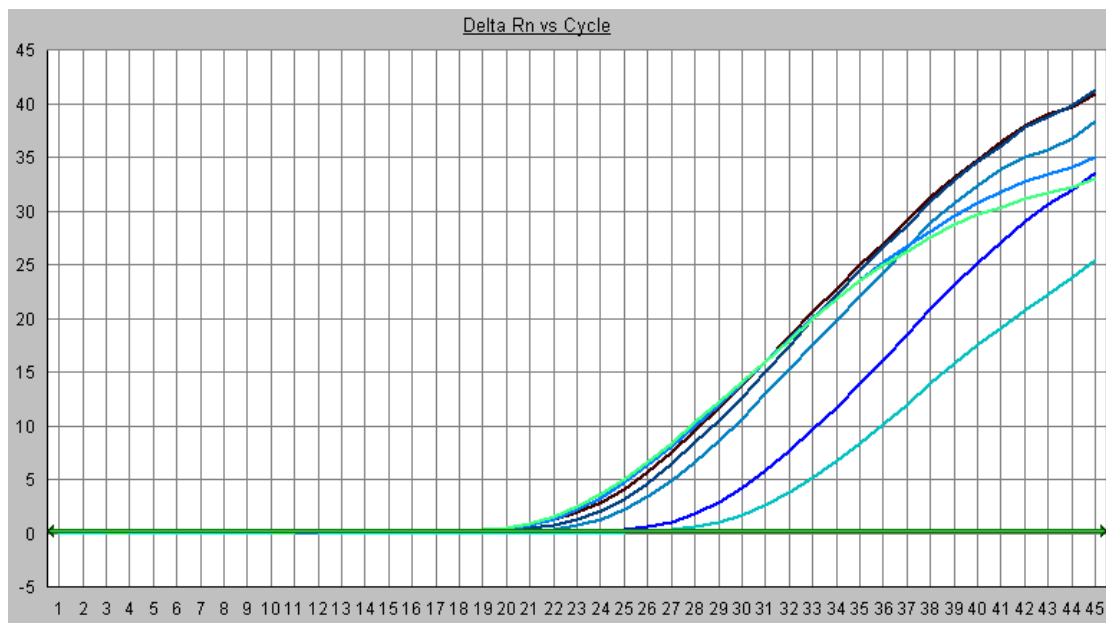
- Analysis of RNA from blood samples of 8 healthy individuals
- RNA extraction using miRNeasy Mini Kit (Qiagen)
- detection of miR-142-3p using QRT-PCR:
 - 1) EPIK™ miRNA Select Lo-Rox Kit on LightCycler 96 (Roche)
 - 2) TaqMan™ miRNA Assay (Life Technologies) on ABI 7000 (Applied Biosystems)

1) Result from EPIK™ miRNA Select Lo-Rox Kit



- C_q values: 14-16
- Efficiency: 2.0

2) Result from TaqMan™ miRNA Assay



- C_T values: 20-23
- Efficiency: 1.6

Conclusion:

The experimental procedure of the EPIK™ miRNA Select Kit is very easy. Multiplex cDNA synthesis for 3 miRNA targets and 1 reference target is highly efficient and led to very stable and reproducible results in QRT-PCR.

Sensitivity and efficiency of the EPIK™ and the TaqMan™ QRT-PCR assays for miR-142-3p detection was compared. We found significantly higher sensitivity (EPIK™: C_q 14-16 *versus* TaqMan™: C_T 20-23) and efficiency (EPIK™: 2.0 *versus* TaqMan™: 1.6) of the EPIK PCR assay. Very similar results were obtained for miR-107 (data not shown).