

Comparison of RT-Kit (Company A) against SensiFast cDNA synthesis Kit (Bioline)

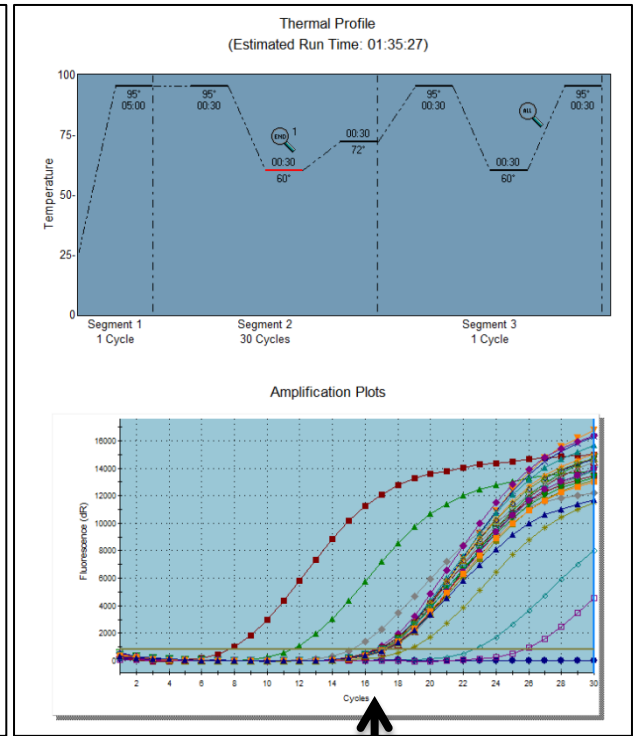
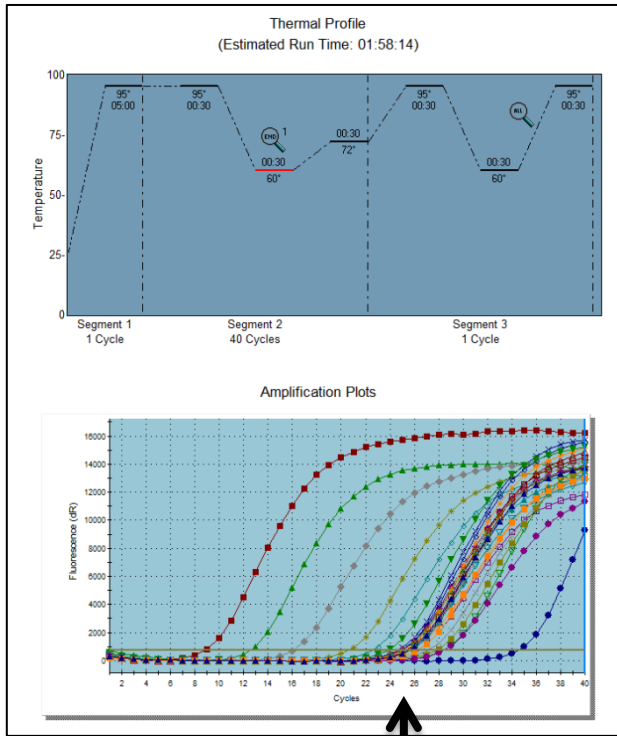
The cDNA synthesis procedure was done with two different kits according to the manual instructions. Both cDNA sets were directly compared by performing a realtime PCR with the Mx3005P from Agilent. Samples were compared to an identical standard curve (6 different dilutions).

Kit Company A:

0.75 µg RNA was used for cDNA synthesis and diluted to a final volume of 100 µL.

SensiFast cDNA synthesis Kit:

0.5 µg RNA was used for cDNA synthesis and diluted to a final volume of 100 µL.



Results

The CT values of the samples lay between 24 and 28, although we used more total RNA for cDNA synthesis.

The CT values of the samples lay between 16 and 18. The samples were less scattered and much closer together. In addition, the results were more reproducible even though less RNA was used for cDNA synthesis.