

Frequently Asked Questions

FIRST STRAND CDNA SYNTHESIS FOR QUANTITATIVE RT-PCR

Q: What are the advantages of a two-step reaction versus a one-step?

A: If your gene is difficult to amplify or if you want to look at more than one gene, then a two-step protocol is better. In general, most researchers find that two-step protocols are more robust. The two-step protocols allow you to go back & repeat or allow you to go back and amplify a different gene.

Q: What is the value of having fewer components?

A: The most obvious advantage is that it saves you time in setting up your reactions. But another advantage is that with fewer pipetting steps, the chance for error is minimized and overall reproducibility of the conditions from day to day is improved. This is especially important when your gene of interest is difficult to amplify, has a low abundance, rare transcript, or is long and is difficult to get good representation of both 3' and 5' sequences.

Q: How does sensitivity compare with other kits?

A: In addition to the ease of use, our kit has superior sensitivity, allowing you to accurately detect and reproducibly quantitate small amounts of rare transcripts. There is no pre-optimization required with our kit, it is faster than many other kits commercially available, and has better sensitivity.

For further technical assistance please contact our Technical Service Department at technical.support@marligen.com or (301)-874-4990.