

qScript[®] microRNA cDNA Synthesis Kit

Reverse transcribe small, single-stranded RNAs with superior sensitivity

FEATURES AND BENEFITS:

- Log-fold greater sensitivity than inefficient stem-loop priming methods.
- Broad linear dynamic detection range across a range of RNA inputs (10 pg – 1 µg total RNA).
- Incorporate novel adapter sequence that can be utilized for qPCR quantification using PerfeCta Universal microRNA Primer

DESCRIPTION:

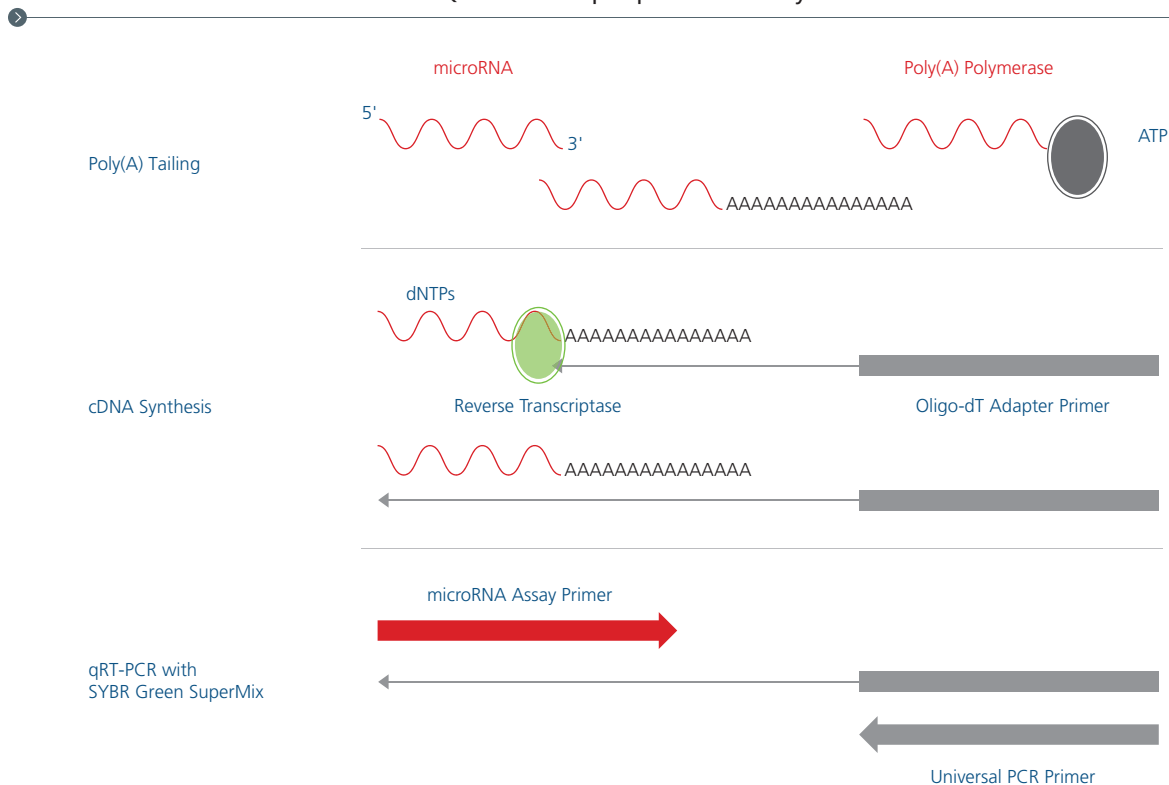
The qScript microRNA cDNA Synthesis Kit is an optimized reagent system that reverse transcribes small single-stranded RNA into 5'-labeled cDNA using either total RNA or miRNA enriched samples.

Single-stranded RNA is first polyadenylated by poly(A) polymerase before reverse transcription into universal cDNA using high performance qScript RT with a proprietary adapter oligo(dT) primer. The universal cDNA template enables simple and cost-effective microRNA profiling when used together

with wet-lab validated PerfeCta[®] microRNA Assays, PerfeCta Universal PCR Primer and PerfeCta SYBR[®] Green SuperMix.

This complete kit includes positive (human) control primer, SNORD44, that can be used to quantitate ubiquitously expressed small nucleolar RNA. In addition, the kit contains 20% extra poly(A) polymerase reaction buffer and microRNA cDNA Reaction Mix to perform (-) poly(A) polymerase and (-) reverse transcriptase control reactions.

Quantabio's qScript microRNA system



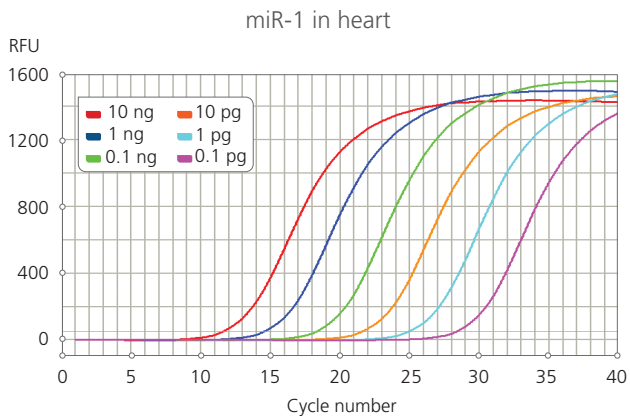


Figure 1 Detection of Rare miRNAs. microRNAs Quantabio's microRNA profiling system provides linear detection and quantification of miRNAs across total-RNA input levels spanning six orders of magnitude. This means miRNAs will be detected even when tissue is scarce or the miRNAs are rare. The Quantabio miRNA system will detect low copy miRNAs more reliably than other systems and due to the minus-PAP control you will have confidence in the results.

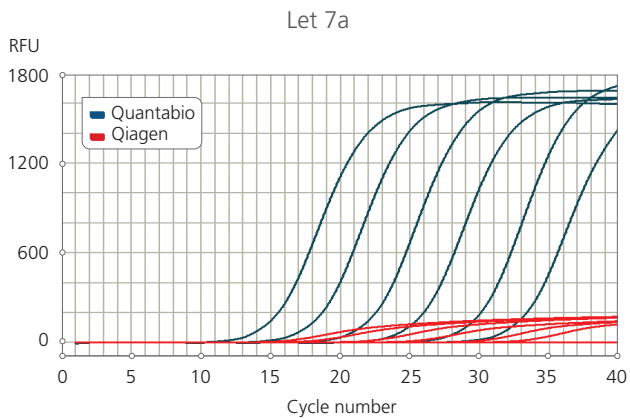
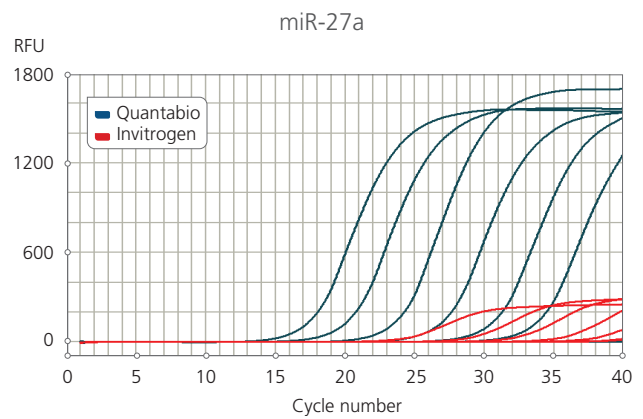
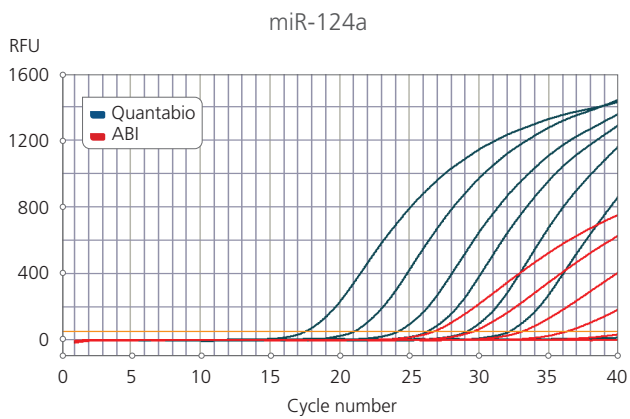


Figure 2 Superior Sensitivity. Quantabio's miRNA Profiling System yields superior results when compared to other leading miRNA quantification systems. The qScript microRNA cDNA Synthesis Kit, PerfeCta microRNA-specific assays and PerfeCta SYBR Green SuperMix form an integrated system that yields industry-leading results.

ORDER INFO

Product Name

qScript microRNA cDNA Synthesis Kit - 25 R
qScript microRNA cDNA Synthesis Kit - 100 R

Quantabio Catalog Number

95107-025
95107-100

Size

25 x 20 µl rxns
100 x 20 µl rxns

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