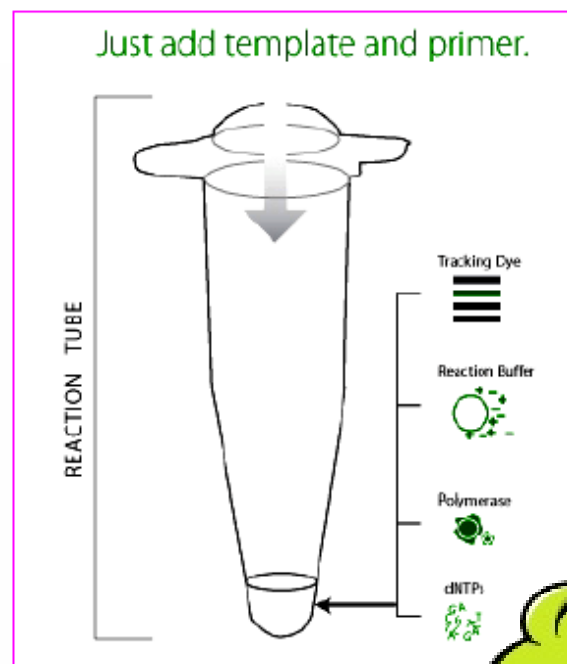
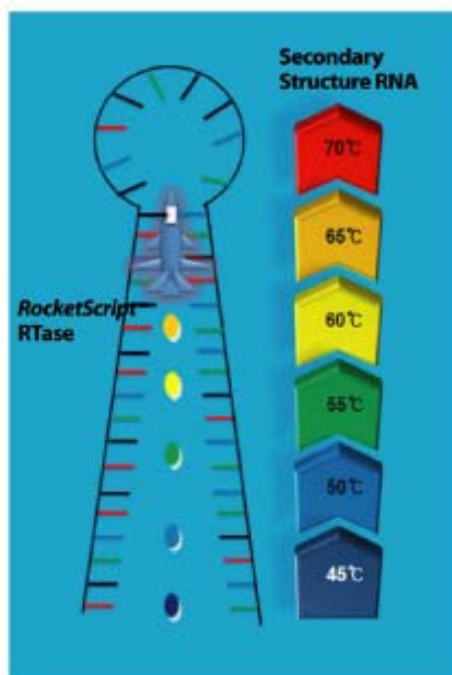


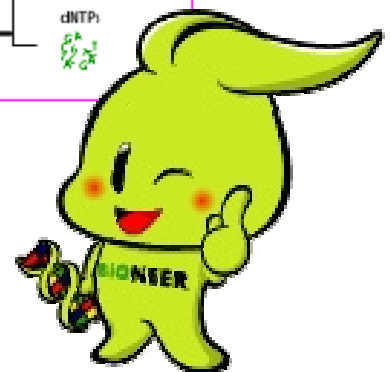
The *Power* of Novel Performance...

Bioneer's exclusive ***RocketScript™*** advances your experiments with more **Ease, Enhanced Performance, and Reproducibility**

- ❖ **Advanced Thermostable Activity**
Complex secondary structures can be eliminated via thermostable reverse transcription activity up to 70°C
- ❖ **Increase Specificity with Flexible Reaction Conditions**
Optimize your cDNA synthesis experiments between 42°C – 70°C
- ❖ **High Sensitivity with Minute Sample**
Generates high yield and purity with as little as 1pg of total RNA
- ❖ **Reproducibility via Simplicity**
Greater ease in performing your reaction with only addition of RNA template and primers



Perfect Result for your research



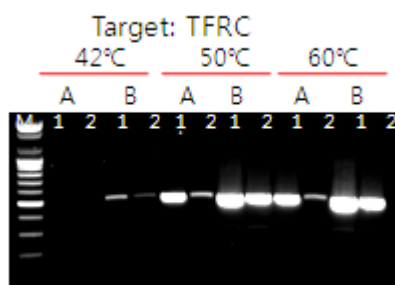
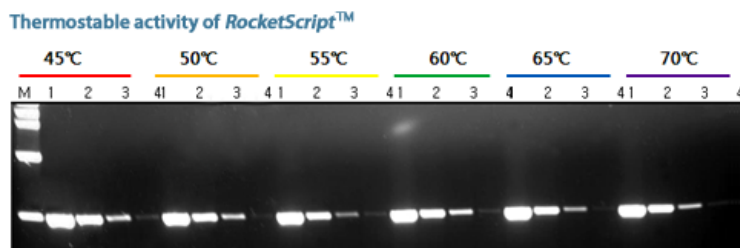


Figure 1. Increasing reverse transcription reaction temperature increases yield of long targets.

TFRC (full-length: 5.2 kb) was reverse transcribed with A: Normal *M-MLV*; and B: *RocketScript* at 1) 100 ng and 2) 10 ng total RNA concentrations complex RNA amplification.



Thermostable activity of *RocketScript*TM

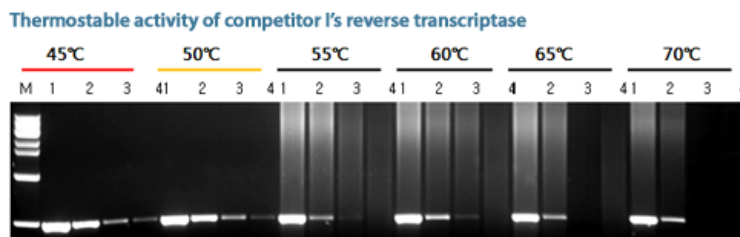


Figure 2. *RocketScript* retains full activity up to 70°C.

A low copy transcript (Myc: 495 bp) was reverse transcribed at the indicated temperatures. Thermostability of *RocketScript* Reverse Transcriptase is outstanding compared to a leading competitor's reverse transcriptase. Lanes 1-4 are 100 ng, 10 ng, 1 ng and 0.1 ng of total RNA from HeLa cells, respectively.

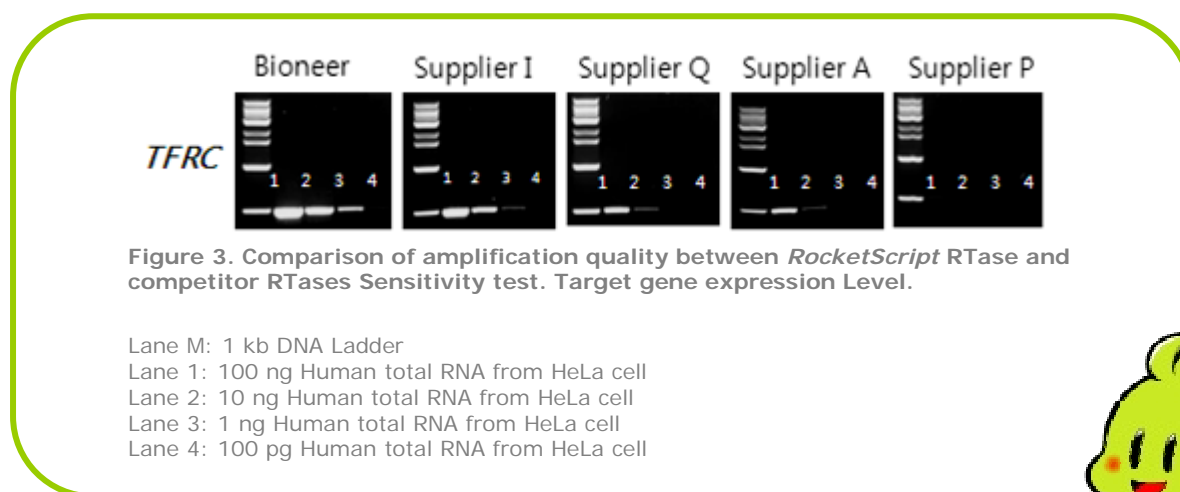


Figure 3. Comparison of amplification quality between *RocketScript* RTase and competitor RTases Sensitivity test. Target gene expression Level.

Lane M: 1 kb DNA Ladder
 Lane 1: 100 ng Human total RNA from HeLa cell
 Lane 2: 10 ng Human total RNA from HeLa cell
 Lane 3: 1 ng Human total RNA from HeLa cell
 Lane 4: 100 pg Human total RNA from HeLa cell



Ordering Information

Cat. No.	Product	Size
E-3141/42	<i>RocketScript</i>TM Reverse Transcriptase	10,000/50,000U (50/250rxn)
K-2101/02	AccuPower® <i>RocketScript</i>TM RT PreMix (lyophilized, 20µl rxn)	96/480 tubes
K-2103/04	AccuPower® <i>RocketScript</i>TM RT PreMix (lyophilized, 50µl rxn)	96/480 tubes
K-2501/02	AccuPower® <i>RocketScript</i>TM RT-PCR PreMix (lyophilized, 20µl rxn)	96/480 tubes
K-2503/04	AccuPower® <i>RocketScript</i>TM RT-PCR PreMix (lyophilized, 50µl rxn)	96/480 tubes

For more information, please contact your respective Sales Representative or email us at sales@Bio-REV.com or call us at (65) 6273 3022.

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