



SOLIS
BIODYNE

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FIREScript® Reverse Transcriptase

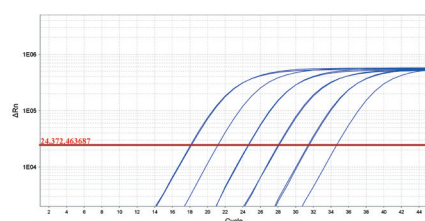
Fast and Flexible
cDNA synthesis

solisbiodyne.com

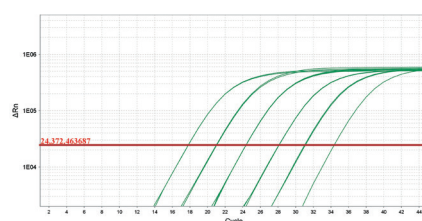


FIREScript® is a novel **highly thermostable** version of Murine Moloney Leukemia Virus (M-MLV) reverse transcriptase. It produces high yields of cDNA in exceptionally short time (15 min) at a wide reaction temperature range (Fig. 1), which enables great flexibility with your protocol.

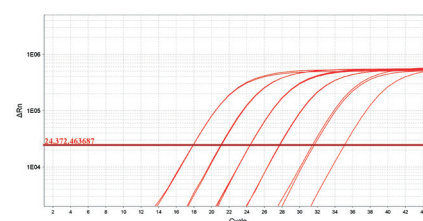
- Fast **15 minute** cDNA synthesis
- Wide **37–60 °C** working range
- Robust with complex RNA secondary structures
- Unique **30 days stability** at room temperature
- Available in convenient **MIX** and flexible **KIT** format



37°C



50°C



60°C

Did you know?

All Solis Biodyne reagents are shipped without ice reducing shipping cost up to 4x

Figure 1. FIREScript® Reverse Transcriptase was used for cDNA synthesis from 6 tenfold dilutions of human total RNA (1 µg to 0.01 ng) at different temperatures for 15 minutes. The cDNA was analyzed with a downstream qPCR reaction with Solis BioDyne's 5x HOT FIREPol® EvaGreen qPCR Mix Plus.

» Ask for FREE SAMPLE!

Market leading performance

With high **efficiency** (Fig. 2) FIREScript can synthesize full length cDNA within **15 minutes** which is up to 4x faster than competitors.

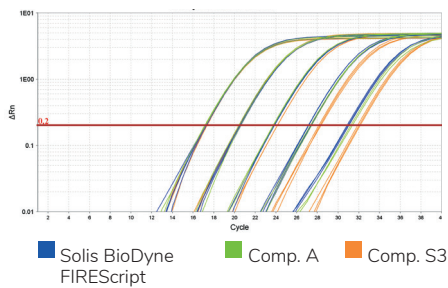


Figure 2. cDNA was synthesized with five tenfold human RNA dilutions using FIREScript® (blue) and cDNA synthesis kits from competitor A (green) and competitor S3 (orange). Downstream qPCR reactions were performed with 5x HOT FIREPol® EvaGreen® qPCR Supermix.

FIREScript® RT cDNA Synthesis KIT

Suitable for reactions which need highest flexibility. It contains all necessary components for cDNA synthesis (except template). The enzymes, primers and nucleotides are provided in separate tubes, so you can work out the most suitable conditions for your reaction.

FIREScript® RT cDNA Synthesis MIX

Optimized for the most convenient reaction set-up. A mixture of reverse transcriptase and RNase inhibitor is provided in one tube and a Reaction Premix including Oligo (dT), Random primers and dNTPs in another tube.

Did you know?

Highly stable RNase inhibitor **RiboGrip™** is included in cDNA synthesis KIT and MIX

Product Citations:

1. Aufschnaiter, A. et al. Front. Mol. Neurosci. 11, 205 (2018).
2. Wojciechowicz, T. et al. Int. J. Food Sci. Technol. (2018).
3. Popēna, I. et al. Cell Commun. Signal. 16, 17 (2018).



Choose the MIX-format to reduce pipetting steps.

Ordering information

Product	CAT. NO.	RXN / 20 µl
FIREScript® RT cDNA Synthesis KIT	06-15-00050	50
	06-15-00200	200
FIREScript® RT cDNA Synthesis MIX with Oligo (dT) and Random primers*	06-20-00100	100
	06-20-00500	500

* FIREScript® RT cDNA synthesis MIX without primers or premixed with Oligo (dT) primer or with Random primers are available upon request.

Do you use qPCR for your cDNA analysis?

For Research Use Only

For quantifying even the smallest cDNA concentrations try our qPCR master mixes **5x HOT FIREPol® EvaGreen® qPCR Supermix** or **5x HOT FIREPol® Probe Universal qPCR Mix**.



FL-06-V1

For further details and ordering please contact info@solisbiodyne.com or call +372 740 9960