

High Sensitivity & High Efficiency

LiScript™ Fast RT Master Mix is kit for fast reverse transcription. 5× LiScript RT Master Mix contains all the components needed for first strand cDNA synthesis. The efficiency and yield of cDNA first-strand synthesis are higher, and the first strand of cDNA can be synthesized using pg total RNA or mRNA. The reaction can be completed in 15 minutes. This kit is suitable for the high throughput synthesis of first-strand cDNA and subsequent RT-PCR, RT-qPCR, and construction of full-length cDNA libraries.

Key Features

- Ready and easy to use: The reaction will be initiated by adding water and RNA template to the master mix.
- Fast reverse transcription: It takes only 15 minutes to obtain the first strand of cDNA.
- High sensitivity: pg of total RNA or mRNA can be used as template.
- High efficiency of reverse transcription: Above 90% RNA will be reverse transcribed.

*"I'm citing 2× LiTaq™ Plus PCR Master Mix (LifeSct LLC) in my manuscript for a protein engineering paper. It is extremely effective, and I really appreciated the sample. I'll send you a copy as soon as it's published. BTW, **LiScript™ Fast RT Master Mix** works great, actually I wanted to mention how fast and easy it was to use. The addition of RNase inhibitor and the 5x concentration are perfect for fast experiments."*

----- San Diego State University, Dr. Brent White

Please Request Free Products of LiScript™ Today! (www.lifesct.com/Free-Samples)

Product Name	Cat. #	Size	Price
LiScript™ Fast RT Master Mix	M0038-05	50 rxn	\$149
LiScript™ Fast RT Master Mix	M0038-20	200 rxn	\$399
LiScript™ Fast RT Master Mix (+gDNA wiper)	M0039-10	100 rxn	\$299

Please click the link www.lifesct.com/Fast-RT-Master-Mix for more information

Related Services



Gene Synthesis



Virus Packaging



NGS



Plasmid Preparation

Contact Us

LifeSct LLC

Tel: 240-715-2985

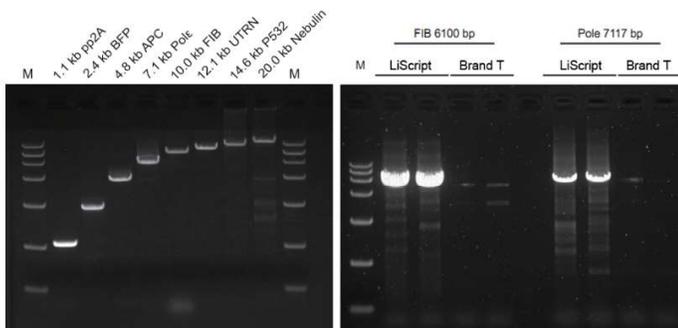
Email: sales@lifesct.com

Website: www.lifesct.com

LiScript™ First-Strand cDNA Synthesis Kit contains all the components necessary for the 1st strand cDNA synthesis. The products are suitable for PCR and qPCR. The 2× RT Mix contains an optimized buffer and dNTPs. The Enzyme Mix contains the Reverse Transcriptase and the RNase inhibitor. The Oligo-(dT)₂₃ VN has a better affinity to Poly A+ RNA than Oligo (dT)₁₈. In addition, random hexamers and gene-specific primers (GSP) are also optional.

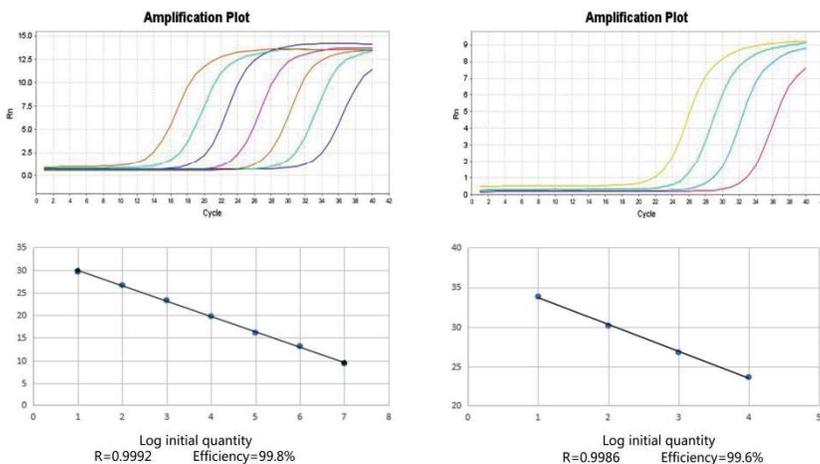
Key Features

- Based on high-effective Reverse Transcriptase: with high thermal stability ensuring the complex RNA secondary structure be denatured to obtain longer cDNA.
- A wide range of template input amount of total RNA (from 1 µg to 5 µg). Amplify cDNA fragments as long as 20 kb.
- Anchored Oligo(dT)₂₃ VN: further improves the specificity, efficiency and sensitivity of the first-strand cDNA synthesis.
- With different primer selection strategy, the first-strand cDNA products can be widely used for many applications, including cloning, hybridization, PCR amplification, and Real Time PCR.



cDNA fragments as long as 20 kb was successfully obtained from RNA templates using LiScript™ First-Strand cDNA Synthesis Kit (Left Figure). Reverse transcription was performed using 1 µg total RNA of HeLa cells or total RNA (for Nebulin) of skeletal muscle cells as templates and Oligo(dT)₂₃ VN as primers. PCR amplification was performed using 1 µl of cDNA (as template) and DNA Polymerase.

LiScript™ has higher reverse transcription efficiency for complex RNA templates (Right Figure). Using 1 µg of total RNA of HeLa cells as template, reverse transcription was performed using LiScript™ and a similar product of T brand, respectively.



LiScript™ has a wide and sensitive linear reverse transcription range for qPCR. Reverse transcription was performed using 1 µg-1 pg total RNA of HeLa cells as template and random hexamers/Oligo(dT)₂₃ VN as mixed primers. qPCR amplification of ACTB gene and BR3 gene was performed using 1 µl of cDNA (as template) and LiQuant™ Green qPCR Master Mix, respectively.

Product Name	Cat. #	Size	Price
LiScript™ First-Strand cDNA Synthesis Kit (+gDNA wiper)	M0028-05	50 rxn	\$199
LiScript™ First-Strand cDNA Synthesis Kit	M0029	100 rxn	\$239
LiScript™ One Step RT-PCR Kit	M0022-01	50 rxn	\$199
LiScript™ One Step Green RT-qPCR Kit	M0032	100 rxn	\$399
LiScript™ One Step Probe RT-qPCR Kit	M0033	100 rxn	\$399