

High Sensitivity & High Efficiency

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 LiScript™ Reverse Transcriptase and the RNase inhibitor. The Oligo-(dT)₂₃ VN has a better affinity to Ploy 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 pg 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.

Product Name	Cat. #	Size	Price
LiScript™ First-Strand cDNA Synthesis Kit (+gDNA wiper)	M0028	100 rxns	\$399

LiScript™ Fast RT Master Mix is a 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.

Product Name	Cat. #	Size	Price
LiScript™ Fast RT Master Mix	M0038	200 rxns	\$399
LiScript™ Fast RT Master Mix (+gDNA wiper)	M0039	100 rxns	\$299
LiScript™ Reverse Transcriptase	M0022	10,000U	\$199

Customer Testimonials

"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

Contact Us

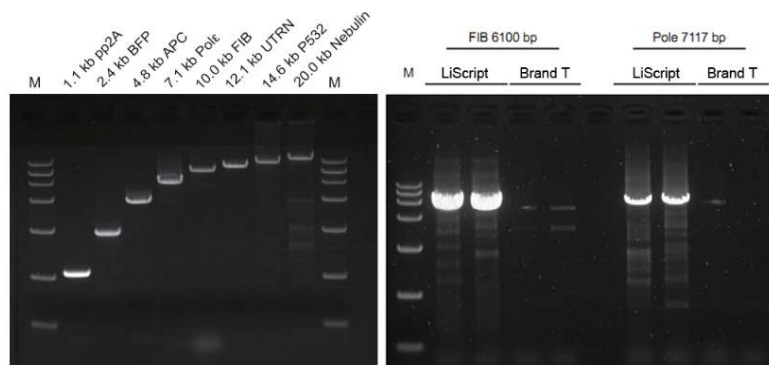
LifeSct LLC

Email: sales@lifesct.com Tel: +1-301-890-6420
Address: 405 East Gude Dr., Suite 205, Rockville, MD 20850



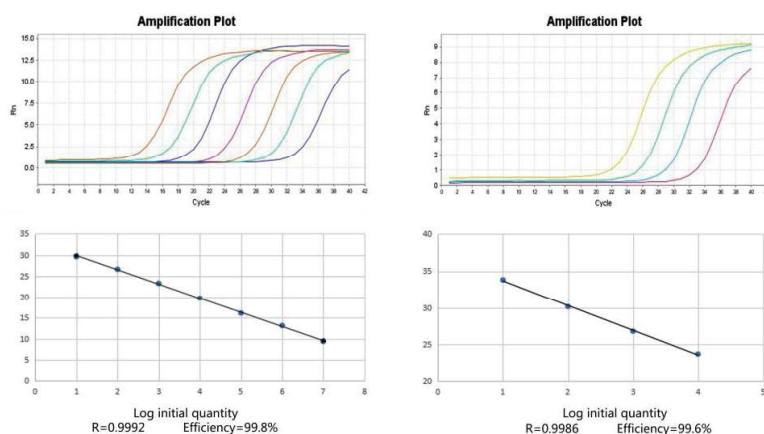
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Case Study



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 amplify ACTB gene and BR3 gene was performed using 1 µl of cDNA (as template) and LiQuant™ Green qPCR Master Mix, respectively.

Related Products

Product Name	Cat. #	Size	Price
2× LiTaq™ Plus PCR Master Mix (+Dye)	M0025	5 ml	\$139
LiTaq™ Super-Fidelity PCR Master Mix	M0031	1 ml	\$129
LiQuant™ Ultra Green qPCR Master Mix	M0026	500 rxns	\$269
LiScript™ One Step Green RT-qPCR Kit	M0032	250 rxns	\$299
LiScript™ One Step Probe RT-qPCR Kit	M0033	100 rxns	\$199
2× ExSembly™ Cloning Master Mix	M0005	10 rxns	\$169
LiQuant™ RNA HS Assay Kit	M0069	200 rxns	\$99
LiQuant™ microRNA Assay Kit	M0133	200 rxns	\$99
TGuide S16 Nucleic Acid Extractor	OSE-S16	1 set	\$13,500
TGuide Smart Viral DNA/RNA Kit	4993702	48 preps	\$369
DNA/RNA Isolation Beads	M0132	5 ml	\$189
VAHTS Universal V8 RNA-seq Library Prep Kit for Illumina	NR605	NR605	\$839