SOLIS BIODYNE

cDNA SYNTHESIS Portfolio

Choose from next-generation, classic & gene-specific RT workflows - plus RNA protection

Lowest Cq / RT-qPCR	Long / complex RNA	Routine cDNA	Gene-specific	RNase-rich samples
ULTRA H(+)	**FLEX H(-)**	**FIREScript®**	**SOLIScript®**	**RiboGrip®**

New

Two New Reverse Transcriptases. Two New Profiles.

Designed to Outperform SuperScript™ IV

FIREScript® ULTRA H(+) Kit

Maximum sensitivity and speed
Lowest Cq / targeted RNA detection

- **Consistently low Ct values** - Outstanding sensitivity
- **Full RNase H activity** for efficient RNA processing
- Fast cDNA synthesis: **5–15 min**
- Wide working range: **37–65°C**
- Efficient with short and long RNA templates (>12 kb)
- Excellent tolerance to common sample inhibitors

FIREScript® FLEX H(-) Kit

Maximum flexibility for long & complex RNA
Exceptional thermostability

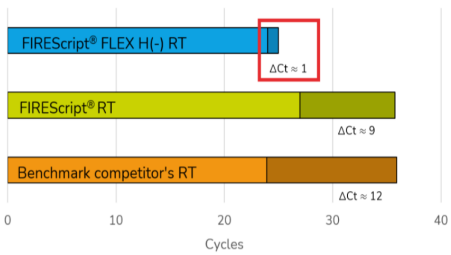
- High processivity for **full-length and long cDNA**
- **Reduced RNase H activity** for improved RNA preservation
- Fast cDNA synthesis: **5–10 min**
- Wide working range: **37–70°C** - excellent heat tolerance
- Successfully tested with RNA templates **>12 kb**
- Highly tolerant to inhibitors from challenging sample types

SUPERScript™ IV AS BENCHMARK

What the new FIREScript® RTs add

- FLEX extends working range to 70°C
- ULTRA gives lower Cq than tested competitor RTs
- Choice of H(+) or H(-) RNase H profile
- 24 h complete-premix benchtop robustness

Minimal Ct Shift After 30 Minutes at 65°



Ct shift comparison. **After 30 min at 65°C,** cDNA synthesis was performed at 50°C for 10 min, followed by qPCR.

STABILITY TAG – Ideal for Automation

Workflow advantage: more timing tolerance and reproducibility across long automated runs.

Complete reaction premixes can remain at room temperature for up to 24 hours with stable performance. Together with up to 1 month of enzyme stability at room temperature and 37°C, this supports batching, plate setup, delayed processing and robust automated / high-throughput runs.



RiboGrip® RNase Inhibitor

- Effective inhibition of **RNase A, B and C**
- Highly concentrated: **220 U/µl**
- Active after **1 h at 60°C**
- Stability TAG for robust workflow performance
- Ideal for cDNA synthesis, RT-(q)PCR and RNA-seq
- Particularly suitable for small reaction volumes

ILLUMINA Reference

RiboGrip® is referenced in Illumina materials for single-cell RNA workflows, particularly for challenging samples with low RNA content and/or high endogenous RNase levels. This is a strong differentiator for sequencing applications.

Product & workflow	Catalog no. / size	List price CHF*
NEXT-GENERATION RT		
FIREScript® ULTRA H(+) KIT Full / elevated RNase H | Fast, sensitive RT-qPCR	06-53-00050 | 50 rxn 06-53-00200 | 200 rxn	**on request** **on request**
FIREScript® FLEX H(-) KIT Reduced RNase H | Long / complex RNA, RNA-seq	06-63-00050 | 50 rxn 06-63-00200 | 200 rxn	**on request** **on request**
CLASSIC FIREScript® - Routine cDNA synthesis		
FIREScript® KIT Enzyme + buffer | flexible first-strand cDNA synthesis	06-13-00050 | 50 rxn 06-13-00200 | 200 rxn	**122** **411**
FIREScript® RT cDNA synthesis KIT Complete 7-component kit | full RNase H	06-15-00050 | 50 rxn 06-15-00200 | 200 rxn	**196** **692**
FIREScript® RT cDNA synthesis MIX 4 priming options: none / random / oligo(dT) / oligo(dT)+random	06-17/18/19/20-00100 | 100 rxn 06-17/18/19/20-00500 | 500 rxn	**342** **1'549**
SOLIScript® - REDUCED RNase H activity		
SOLIScript® KIT Enzyme + buffer | High specificity with oligo(dT) / gene-specific primers	06-33-00050 | 50 rxn 06-33-00200 | 200 rxn	**115** **388**
SOLIScript® RT cDNA synthesis KIT Complete flexible kit | Reduced RNase H	06-35-00050 | 50 rxn 06-35-00200 | 200 rxn	**196** **696**
SOLIScript® RT cDNA synthesis MIX Convenient gene-specific 3-tube format	06-37-00100 | 100 rxn 06-37-00500 | 500 rxn	**340** **1'554**
RNA PROTECTION		
RiboGrip® RNase Inhibitor (220 U/µl) RNase A/B/C protection | Illumina-referenced for nuclei workflows	06-26-4000U | 4,000 U 06-26-010kU | 10,000 U	**145** **335**
RiboGrip® Glycerol-Free RNase Inhibitor (220 U/µl) Lyo-compatible glycerol-free formulation	06-29-4000U | 4,000 U 06-29-010kU | 10,000 U	**145** **335**

Free samples available Test the best-fit reverse transcriptase or RNase inhibitor in your workflow before scaling up.

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