

SOLIScript® 1-step Probe Kit

Product Information

For sensitive and reliable quantification of RNA targets with probe based qPCR

SOLIScript® 1-step Probe Kit has been precisely optimized for performing sensitive and highly specific cDNA synthesis and qPCR in a single tube. The simple workflow of the one-step format and increased stability at room temperature make it ideal for high throughput RNA analysis. Our strict production and quality control procedures ensure consistent performance with every batch.

Trustworthy results with a wide range of templates and assays:

- SOLIScript® reverse transcriptase is active over a broad temperature range (37°C-60°C) enabling great flexibility with your protocol
 - High reaction temperature enables highly specific primer annealing during reverse transcription
- Excellent quantification in singleplex and duplex assays
- The solutions have a high concentration which leaves more room for your low concentrated samples
- One kit for ROX and no ROX cyclers
- No detectable change in performance after storage at room temperature for up to 1 month
 - Reduced shipping costs with ambient temperature shipping
 - Convenient reaction set-up without ice

We have optimized our reagent composition for excellent performance in up to 2-plex reactions. Increase reliability of your results by detecting positive control and target of interest in the same reaction. Figure 1 shows excellent simultaneous amplification of 2 targets.

Product format:

- 40x One-step SOLIScript® Mix contains
 - Novel *in silico* designed **SOLIScript® reverse transcriptase** with increased reaction temperature (up to 60°C)
 - *In silico* designed protein-based **ribonuclease inhibitor RiboGrip™** for protecting your sample from RNase degradation
- 5x One-step Probe Mix contains
 - Hot-start **Taq polymerase HOT FIREPol®** with high sensitivity and specificity
 - Optimized reaction buffer for reverse transcription and qPCR reactions
 - Passive normalization dye based on ROX (suitable for ROX and no ROX cyclers)
- Nuclease free water
 - Deionized and ultrafiltrated, without chemical additives

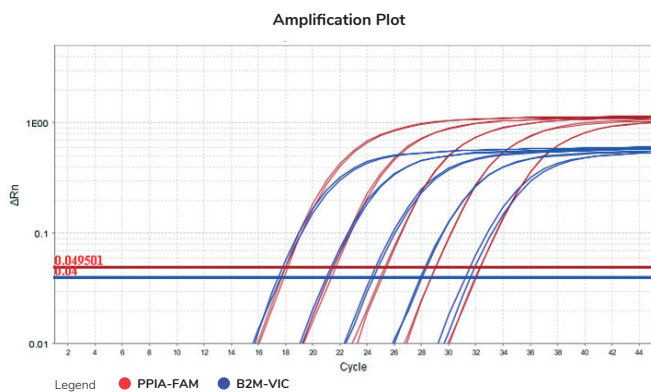


FIGURE 1. SOLIScript® 1-step Probe Kit was used to perform 2-plex one-step RT-qPCR with five tenfold serial dilutions of human total RNA (RNA amount ranges from 4000 pg/μl to 0.4 pg/μl per reaction). Reactions were performed with Applied BioSystems™ QuantStudio™ 6 cycler using ROX dye for normalization.