

## 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.

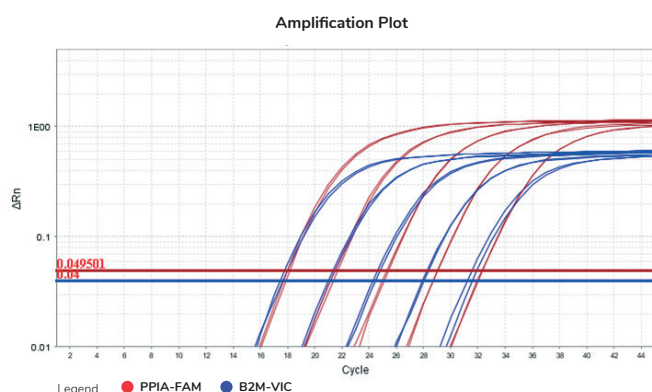
### Trustworthy results with a wide range of templates and assays:

- 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 ultrafiltered, 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.