

Qscript Iyo 1-step

Dry. Stable. Easy. Better. 1-step RT-qPCR

FEATURES AND BENEFITS:



Lyophilized Single Tube Format – Easy-to-use, reduces cross-contamination



High Sensitivity & Specificity – Detect as low as 0.5 pg RNA



Wide Dynamic Range – 0.5 – 500 pg RNA



Superior Multiplexing – Plex up to 5 targets per reaction



Eliminate Freezer Storage – up to 9 months stability room temperature

DESCRIPTION:

Qscript Iyo 1-step is a lyophilized single-reaction reagent optimized for highly sensitive and reproducible one-step RT-qPCR using hydrolysis probes. The reagent contains a hot-start thermo-stable polymerase, a genetically engineered reverse transcriptase as well as other components to ensure higher performance detection of up to 5 targets with maximum sensitivity and specificity. The enhanced stability of the freeze-dried master mix enables convenient shipping and storage at room temperature. The single tube reaction facilitates easy reaction set up while preventing potential cross-contamination.



Qscript Iyo 1-step lyospheres.

Convenient setup

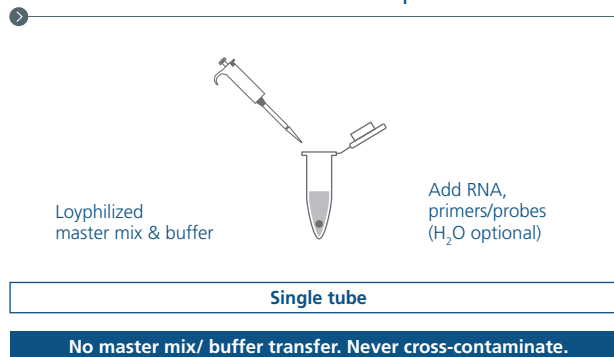


Figure 1 Just add RNA, primers and probes.

Better sensitivity enables greater detection

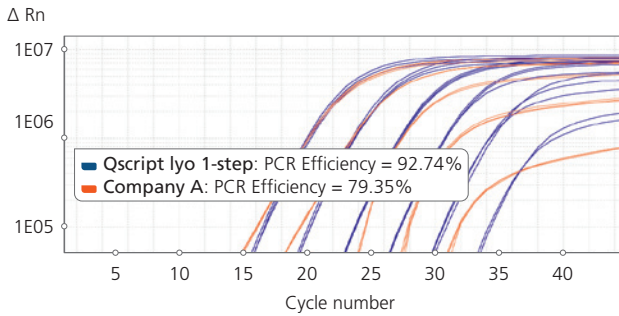


Figure 2 Qscript lyo 1-step demonstrates higher sensitivity and fluorescence signal than a market-leading one-step RT-qPCR product (liquid). The figure shows a LDHA assay with 10-fold serial diluted universal human RNA (50 ng to 0.5 pg) as template. 20 μ l of LDHA primer/probe was used to resuspend each lysosphere, followed by addition of 5 μ l of RNA target. RT-qPCR was carried out on a QuantStudio 7 instrument with the following conditions: 50°C 15 min, 95°C 3 min, 40 cycles: 95°C 15 sec, 60°C 60 sec.

High performance across a range of inputs

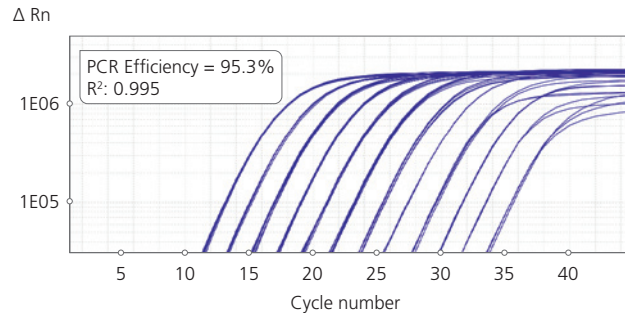


Figure 3 Qscript lyo 1-step was tested with 12 serial dilutions of Human total RNA (4x from 1250 ng to 0.3 pg). 20 μ l of LDHA primer/probe was used to resuspend each lysosphere, followed by addition of 5 μ l of RNA target. RT-qPCR was carried out on a QuantStudio 7 instrument with the following conditions: 50°C 15 min, 95°C 3 min, 40 cycles: 95°C 15 sec, 60°C 60 sec.

Multiplex up to 5 targets per assay

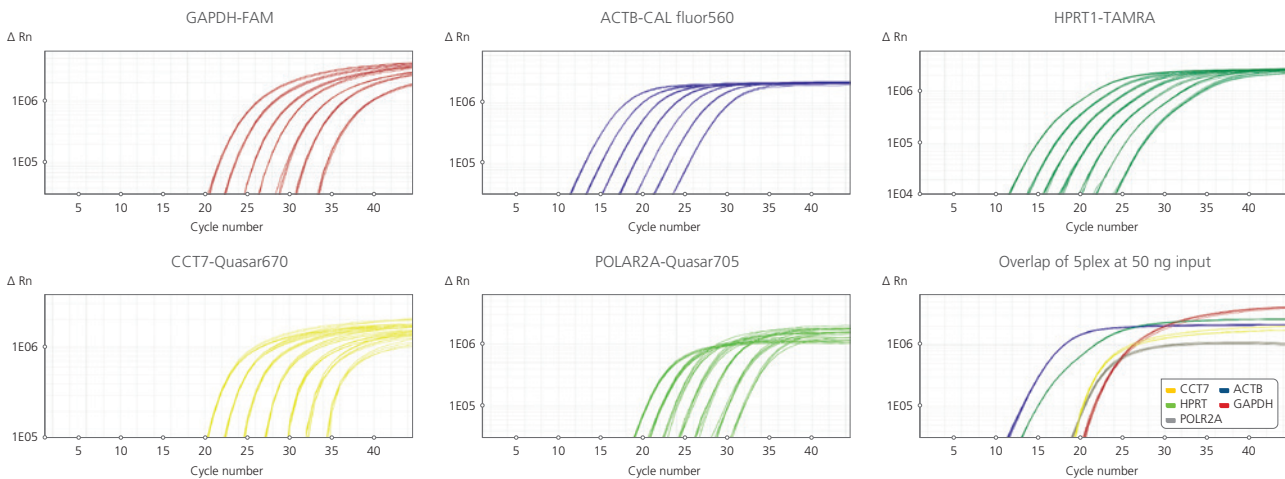


Figure 4 Qscript lyo 1-step was tested with a 5-plex assay with 7 serial dilutions of Human total RNA (4x from 50 ng to 30 pg). 20 μ l of primers/probes was used to resuspend each lysosphere, followed by addition of 5 μ l of RNA target. RT-qPCR was carried out on a QuantStudio 7 instrument with the following conditions: 50°C 15 min, 95°C 3 min, 40 cycles: 95°C 15 sec, 60°C 60 sec.

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ORDER INFO

Product Name

Qscript lyo 1-step - 8 R
Qscript lyo 1-step - 24 R

Quantabio Catalog Number

95198-008
95198-024

Size

8 rxns
24 rxns

Quantabio products are intended for molecular biology applications. The products are not intended for the diagnosis, prevention or treatment of a disease.
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