



End-Point PCR Applications



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Discovery



Azura One-Step Ultra RT-PCR Kit

Azura One-Step Ultra RT-PCR Kit has been formulated for cDNA synthesis and subsequent PCR in a single tube for end-point analysis. This new generation 2x Mix consists of a thermostable reverse transcriptase, a potent RNase Inhibitor and Azura HS Taq for ultra-sensitive one-step RT-PCR from as little as 1pg total RNA starting material.

The advanced and highly optimized buffer chemistry allows for efficient reverse transcriptase and PCR of problematic sequences with significant secondary structure (GC-rich targets).

The Azura One-Step Ultra RT-PCR Kit is ideal for determining the presence or absence of RNA templates and quantifying expression through qualitative analysis of RNA transcription levels.

Applications

- Gene Expression analysis
- Multiplex RT-PCR
- Transcription analysis

Sensitivity

- Optimized chemistry for detection of low-copy transcripts

Robust

- Overcomes secondary structure in problematic GC-rich targets

Convenience

- First strand full-length cDNA synthesis and PCR in a single tube from 1pg total RNA.

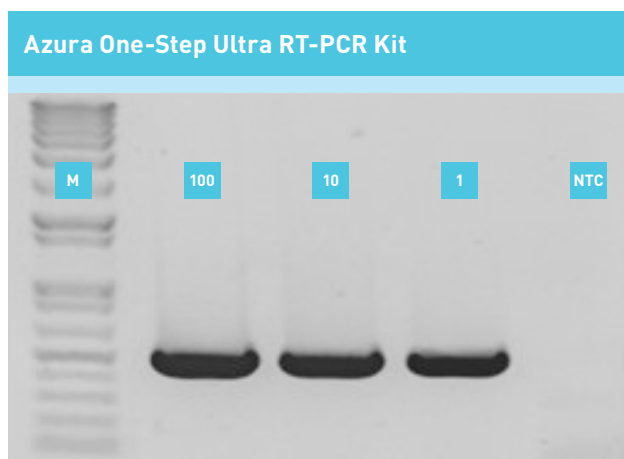


Fig 1. Azura One-Step Ultra provides sensitivity with varying amounts of input Total RNA.

- 1Kb fragment with RN18S primers was produced in One-Step RT-PCR using mouse Total RNA as starting material. A serial dilution series indicates relative quantities and excellent specificity of DNA from 100pg, 10pg and 1pg input RNA.

The kit also efficiently synthesizes double-stranded cDNA for subsequent gene expression analysis

Product	Pack Size	Catalog No.	Price
Azura One-Step Ultra RT-PCR Kit	50 Reactions	AZ-1825	\$195
Azura One-Step Ultra RT-PCR Kit	100 Reactions	AZ-1826	\$335