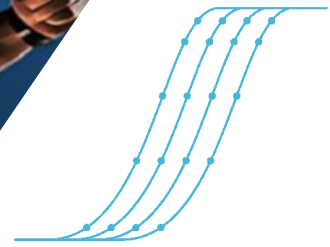


Azura 1-Step Ultra RT-PCR Kit



Optimized 1-Step RT-PCR for End-Point Analysis

Azura 1-Step Ultra RT-PCR Kit has been formulated for cDNA synthesis and subsequent PCR in a single tube for end-point analysis. The streamlined procedure reduces pipetting and minimizes the risk of cross-contamination. This new generation 2x mix and 20x RT enzyme consists of a thermostable reverse transcriptase, a potent RNase inhibitor and Azura HS Taq for ultra-sensitive 1-step RT-PCR from as little as 1 pg 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 1-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 1 pg total RNA

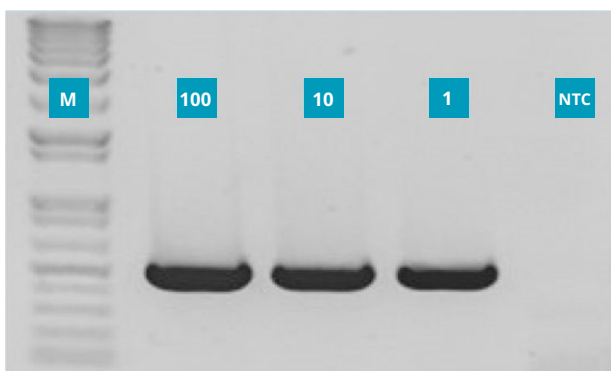


Fig 1. Azura 1-Step Ultra provides sensitivity with varying amounts of input Total RNA.

1 Kb fragment with RN18S primers was produced in 1-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.

Products	Pack Size	Catalog No.
Azura 1-Step Ultra RT-PCR Kit	50 Reactions	AZ-1825
Azura 1-Step Ultra RT-PCR Kit	100 Reactions	AZ-1826