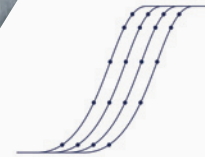


AzuraFlex™ cDNA Synthesis Kit



High quality qPCR-ready cDNA - Your Way

The AzuraFlex™ cDNA Synthesis Kit is a complete and flexible system for efficient synthesis of first strand cDNA from Total RNA or mRNA templates. The MMLV-derived reverse transcriptase (High Capacity RTase) is modified for improved performance with challenging templates, capable of synthesizing cDNA up to 9Kb. The reverse transcriptase is blended with a potent RNase inhibitor for stability and greater reproducibility with challenging samples which may contain contaminants. The supplied 5x RTase buffer includes optimal levels of dNTPs and MgCl₂ to reduce pipetting steps and experimental variance.

Applications

- 2-step RT-qPCR
- 2-step RT-PCR

Flexible

Supplied in a four component kit format, including High Capacity Reverse Transcriptase, 5x RTase Buffer and separate solutions of random hexaprimers and oligo(dT) primers to allow flexible assay design.

Sensitive cDNA synthesis from broad range of input RNA

High-performance cDNA synthesis from 10 pg to 2.0 µg Total RNA.

Cost-effective

Low-cost option for generation of high-quality qPCR-ready cDNA

Broad dynamic range

10-fold greater dynamic range than competitor kits

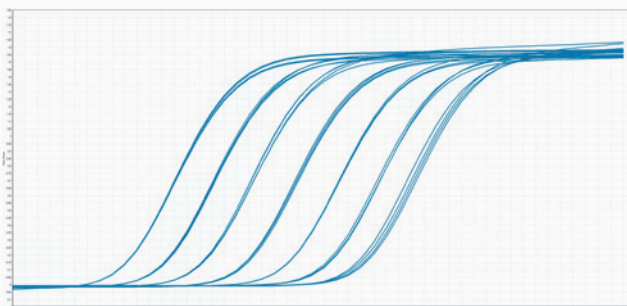


Fig 1. Broad Dynamic Range with AzuraFlex cDNA Synthesis Kit.

A 10-fold serial dilution of mouse total RNA was used for seven cDNA synthesis reactions (with starting material ranging from 2µg Total RNA). Subsequently, each cDNA synthesis reaction was used as a template for qPCR in which a 70bp fragment was amplified (mouse RN18S gene).

Products	Pack Size	Catalog No.	Price
AzuraFlex™ cDNA Synthesis Kit	200 Reactions	AZ-1997	\$285
AzuraFlex™ cDNA Synthesis Kit	1000 Reactions	AZ-1998	\$995