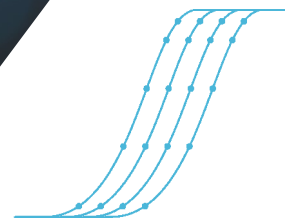


AzuraFlex™ cDNA Synthesis Kit



High Quality cDNA Synthesis in a Flexible, Low-Cost Format

The AzuraFlex™ cDNA Synthesis Kit is a complete and flexible format for efficient synthesis of first strand cDNA from total RNA or mRNA templates. The MMLV-derived reverse transcriptase, High Capacity RTase, is enhanced for improved performance with challenging templates, capable of synthesizing cDNA up to 9 kb. 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 improve consistency. The kit also includes separate solutions of random hexamer primers and oligo (dT) primers for flexibility.

Applications

- 2-step RT-qPCR
- 2-step RT-PCR
- cDNA synthesis for library construction

Convenience

Two-tube format and simple 40 minute protocol

Unbiased, sensitive, cDNA Synthesis

Complete 5' to 3' RNA sequence representation from 10 pg to 2 µg total RNA

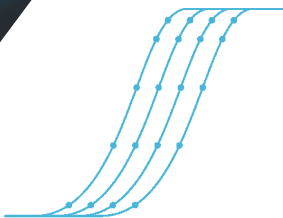
Flexible

High Capacity RTase, 5x reaction buffer, and separate 100 µM solutions of random hexamer and oligo (dT) primers

Broad Dynamic Range

Optimized for a wide range of input RNA

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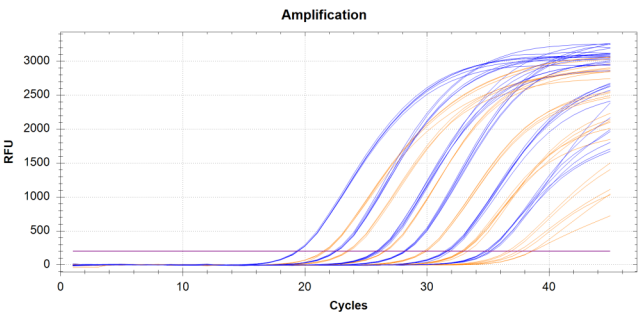


Fig 1. Broad Dynamic Range with AzuraFlex™ cDNA Synthesis Kit and superior performance compared with competitor N.
AzuraFlex™ cDNA Synthesis Kit (blue) displays efficient cDNA synthesis over a broad dynamic range of total RNA compared with competitor N (orange). Subsequent real-time PCR performed with AzuraView™ Green Fast qPCR Blue Mix LR using fast cycling conditions.

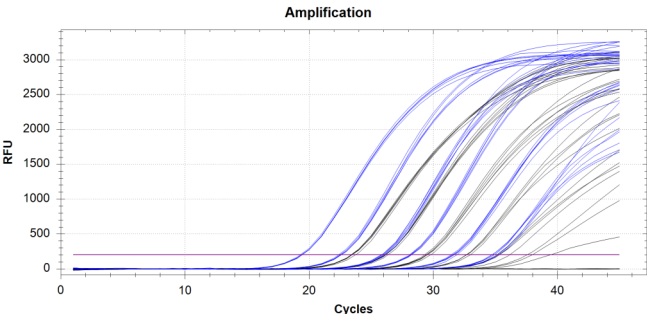


Fig 2. Broad Dynamic Range with AzuraFlex™ cDNA Synthesis Kit and superior performance compared with competitor B.
AzuraFlex™ cDNA Synthesis Kit (blue) displays efficient cDNA synthesis over a broad dynamic range of total RNA compared with competitor B (purple). Subsequent real-time PCR performed with AzuraView™ Green Fast qPCR Blue Mix LR using fast cycling conditions.

Products	Pack Size	Catalog No.
AzuraFlex™ cDNA Synthesis Kit	200 Reactions	AZ-1997
AzuraFlex™ cDNA Synthesis Kit	1000 Reactions	AZ-1998