



POLYMERASES OF NEW GENERATION
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Elisabeth
Pharmacon



ELIZYME ONES GREEN LOWROX

Advantages

- Thermostable reverse transcriptase 45 °C to 55 °C
- RNase inhibitor
- Non-PCR inhibiting intercalating dye
- Rapid extension rate for early Ct values
- Increased limit of detection
- Hot-start technology with antibody

Applications

- Absolute quantification
- Relative gene expression analysis
- Low copy number target genes
- Recommended for template amounts of 10 pg – 100 ng total RNA or > 0.01 pg mRNA per reaction

Availability

- Mix with transcriptase
- **LowROX** (low content of ROX)



ELIZYME ONES GREEN LOWROX

EliZyme OneS Green LowROX kit includes components for both cDNA synthesis and qPCR in a single tube. MMLV reverse transcriptase (RTase) is thermostable, extremely active and has RNase inhibitor. **EliZyme OneS Green LowROX** kit is used for quantification of mRNA, total RNA and viral sequences. The RTase is not inhibited by ribosomal and transfer RNAs.

Intercalating dye used in **EliZyme OneS Green LowROX** kit does not inhibit PCR. Primer-dimer formation and non-specific amplification are avoided by antibody hot-start technology.

EliZyme OneS Green LowROX kit is compatible on real-time PCR platforms that require low ROX concentration, under fast and ultra fast cycling conditions.

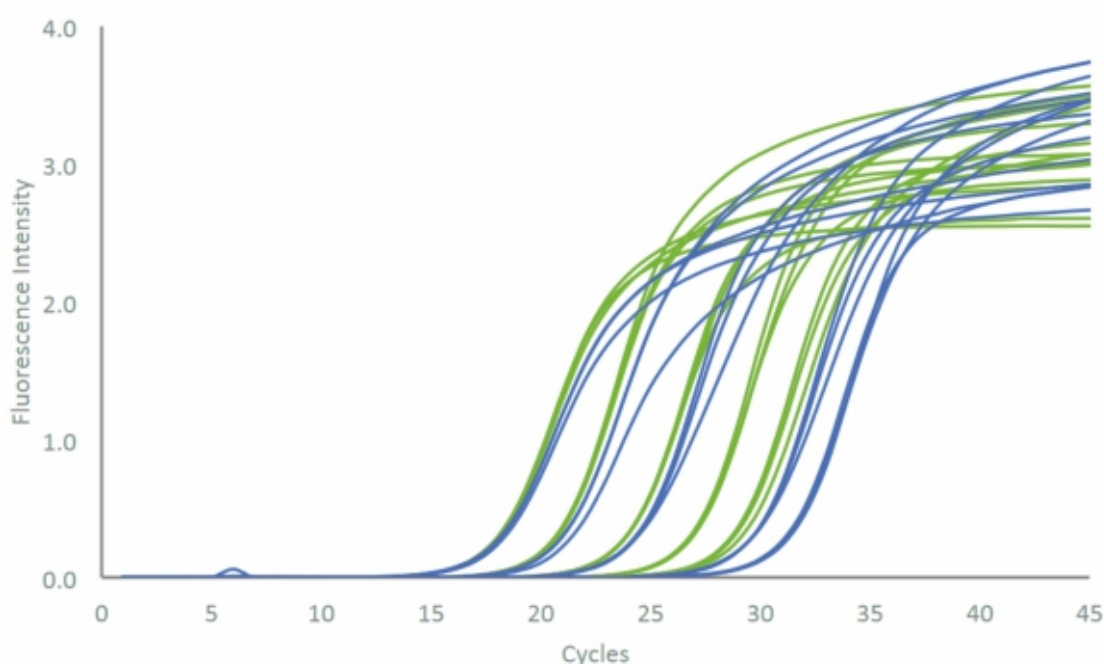


Figure A

Comparison of **EliZyme OneS Green LowROX** and competitor "B". Amplification of the ACTG1 gene from a dilution series of total RNA extracted from mouse liver. Total RNA concentration varied from 25 pg to 250 ng. Cycling conditions: reverse transcription at 45 °C for 10 minutes, initial denaturation at 95 °C for 2 minutes, 45 cycles of denaturation at 95 °C for 10 seconds and annealing/extension at 60 °C for 10 seconds on Roche LC480. **EliZyme OneS Green LowROX** had equal performance at high RNA concentrations and superior performance at lower RNA concentrations and lower prevalence of primer-dimer formation. Blue – competitor "B", Green – **EliZyme OneS Green LowROX**.

AVAILABLE KITS

	Ref. No.	Content	Pack Size
EliZyme OneS Green LowROX	EZ7601	1 x 1 ml mix + 1 x 0,1 ml transcriptase	100 rxns
	EZ7607	7 x 1 ml mix + 1 x 0,7 ml transcriptase	700 rxns
	EZ7614	2 x 7 ml mix + 2 x 0,7 ml transcriptase	1400 rxns