



# EliZyme™ Green MIX

## Intended use:

For Research Use Only. Not for use in diagnostic procedures.

## Storage:

Upon arrival store components at -20 °C. Avoid prolonged exposure to light. When stored under these conditions, the kit will retain full activity until the expiration date indicated on the kit label. Reagents may be stored at 4 °C up to 1 month.

## Product description

EliZyme™ Green MIX utilizes a proprietary intercalating dye EliGreen that does not inhibit qPCR, ensuring market-leading sensitivity and reproducibility. Advanced enzyme, hot-start, and reaction buffer technology prevent primer-dimer formation and non-specific amplification. With minimal or no optimization, EliZyme™ Green MIX can be used to quantify any DNA template, including genomic, cDNA, and viral sequences. This mix is compatible with all qPCR platforms, and can specifically detect extremely low copy number targets with high efficiency. For added convenience, the mix is available without ROX, but the ROX dye can be obtained separately, and the non-reactive blue dye in EliZyme™ Green Blue MIX allows for easy visualization during pipetting.

## Content

	Ref. No.	Content	Size
EliZyme™ Green MIX	EZ4601	1×1ml mix	100 rxns
	EZ4605	5×1ml mix	500 rxns
	EZ4614	2×7ml mix	1400 rxns
EliZyme™ Green Blue MIX	EZ0101	1×1ml mix	100 rxns
	EZ0105	5×1ml mix	500 rxns
	EZ0114	2×7ml mix	1400 rxns

## Primers

Primers should have a predicted melting temperature of around 60 °C. The shorter the amplicon length, the faster the reaction can be cycled. The recommended amplicon length should be between 80 bp and 200 bp. Amplicon length should not exceed 400 bp.

## Reaction setup

After thawing, briefly vortex the mix and shortly spin.

Reagent	20 µl reaction	Final conc.
2X EliZyme™ qPCR Mix	10 µl	1×



### 2X EliZyme™ qPCR Blue Mix

Forward primer (10 µM)	0.8 µl	400 nM
Reverse primer (10 µM)	0.8 µl	400 nM
Template DNA	< 100 ng cDNA, < 1 µg genomic DNA	Variable
PCR grade water	Up to 20 µl	

### PCR cycling profile

Step	Temperature	Time	Cycles
Initial denaturation	95 °C	2 – 3 min*	1
Denaturation	95 °C	5 s	40
Annealing/Extension	60 – 65 °C**	20 – 30 s***	
Melt curve analysis****			

\* 2 min for cDNA, 3 min for genomic DNA.

\*\* Do not use temperatures below 60 °C.

\*\*\* Do not exceed 30 s.

\*\*\*\* Optional.

### Manufacturer:

**ELISABETH PHARMACON, spol. s r. o.**

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Catalog number



Upper limit of temperature



Batch code



Manufacturer



Use by (last day of month)



Contains sufficient "N" tests