



# EliZyme™ Super Probe 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

The EliZyme™ Super Probe MIX is an innovative qPCR mix that provides dependable probe-based detection of DNA target sequences. This groundbreaking mix offers superior amplification of targets, even from highly diluted samples, whether in single or multiplex assays.

The mix is a precisely balanced blend of hot start Taq polymerase, dNTPs, and MgCl<sub>2</sub>, designed to work effectively with various probe types, including TaqMan®, Scorpions®, and molecular beacons. It is suitable for both diagnostic and basic research purposes.

Our team has conducted extensive testing of EliZyme™ Super Probe MIX against standard housekeeping genes such as g-actin and GAPDH, to ensure that it delivers maximum performance in any experimental setting. We have evaluated this mix extensively in single and multiplex assays to guarantee its reliability and efficacy.

## Content

	Ref. No.	Content	Size
EliZyme™ Super Probe	EZ1601	1×0.5 ml mix	100 rxns
MIX	EZ1605	2×1.25 ml mix	500 rxns
	EZ1614	1×7 ml 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. For TaqMan® probes choose probe close to 5' primer, avoid terminal guanosine residues.

## Reaction setup

After thawing, briefly vortex the mix and shortly spin.



Reagent	20 µl reaction	Final conc.
4x EliZyme™ SP Mix	5 µl	1×
Forward primer (10 µM)	0.8 µl	400 nM
Reverse primer (10 µM)	0.8 µl	400 nM
Probe (10 µM)	0.4 µl	200 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	3 min	1
Denaturation	95 °C	5 s	40
Annealing/Extension	60 – 65 °C	20 – 30 s	
Melt curve analysis*			

\*Optional, for hybridization probes only.

### 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 for "N"