ELISABETH PHARMACON Ltd.
Rokycanova 4437/5
615 00 Brno-Zidenice, Czech Republic
Phone: +420 542 213 851
E-mail: info@elisabeth.cz
Web: www.elisabeth.cz
VAT: CZ26258412

EliZyme™ Genotyping 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.

Product description

EliZyme Genotyping MIX is designed for dual-labeled probes including LNA and MGB probes. The mix is used for single nucleotide polymorphism (SNP) genotyping.

EliZyme Genotyping MIX is highly efficient in multiplexed reactions. It allows efficient amplification of GC-rich and AT-rich sequences. Primer-dimer formation and non-specific amplification are avoided by inhibitor technology.

EliZyme Genotyping MIX is compatible on all Real-Time PCR platforms, under standard and fast cycling conditions.

EliZyme Genotyping MIX is also available in two ROX variants – HighROX and LowROX.

Content

	Ref. No.	Content	Size
EliZyme Genotyping MIX	EZ7501	1x1 ml mix	100 rxns
	EZ7505	5x1 ml mix	500 rxns
	EZ7514	2x7 ml mix	1400 rxns
EliZyme Genotyping MIX HighROX	EZ7301	1x1 ml mix	100 rxns
	EZ7305	5x1 ml mix	500 rxns
	EZ7314	2x7 ml mix	1400 rxns
EliZyme Genotyping MIX LowROX	EZ7401	1x1 ml mix	100 rxns
	EZ7405	5x1 ml mix	500 rxns
	EZ7414	2x7 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.

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Reaction setup

After thawing, briefly vortex the mix and shortly spin.

Reagent	20 µl reaction	Final conc.
2x EliZyme Genotyping Mix	10 µl	1x
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	1 – 20 pg human genomic DNA*	Variable
PCR grade water	Up to 20 µl	

*Similar DNA concentrations must be used in all wells of the same run

PCR cycling profile

Step	Temperature	Time	Cycles
Initial denaturation	95 °C	2 – 3 min*	1
Denaturation	95 °C	15 s	40
Annealing/Extension	55 – 60 °C	60 s**	

*2 min for cDNA, 3 min for genomic DNA
**Do not exceed 60 s

Manufacturer:

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Catalog number

Batch code


Use by (last day of month)


Upper limit of temperature


Manufacturer

Contains sufficient "N" tests