



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.

Rokycanova 4437/5, Brno-Židenice 615 00

info@elisabeth.cz | www.elisabeth.cz | tel.: +420 542 213 851



Catalog number



Batch code



Use by (last day of month)



Upper limit of temperature



Manufacturer



Contains sufficient "N" tests