

Prelude™ One-Step PreAmp Master Mix

Catalog No.
638554

Amount
10 rxns

Lot Number
Specified on product label.

Description

Prelude One-Step PreAmp Master Mix is a 2X RT-PCR mix optimized for unbiased co-amplification of multiple targets (>100) in a single tube starting from low amounts of input RNA (down to 100 pg mRNA or 10 ng total RNA). Amplified products can then be used for downstream qPCR, genotyping, or targeted enrichment analysis.

Package Contents

- 250 µl Prelude One-Step PreAmp Master Mix

Storage Conditions

- Store at -20°C.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Prelude One-Step PreAmp Master Mix Protocol-At-A-Glance

References

Ruano, G., *et al.* Biphasic amplification of very dilute DNA samples via “booster” PCR. *Nucleic Acids Res.* **17**, 5407 (1989).

Quality Control Data

RT-PCR Performance

Prelude One-Step PreAmp Master Mix (2X) was functionally tested using 10 ng of qPCR Human Reference Total RNA (Cat. No. 636690) and the PrimerArray® Cell Cycle (Human) (Cat. No. PH002) assay panel. The 2X mix, template, and pooled primers (at a final concentration of 2.5 nM each) were combined and cycled either 10 or 14 times. After this booster PCR, the mixture was combined with SmartChip® TB Green® Gene Expression Master Mix (Cat. No. 640211), split into 96 individual wells corresponding to each singleplex PrimerArray assay, and subjected to 40 cycles of PCR. Resulting Ct values for 10 cycles and 14 cycles were compared by the $\Delta\Delta\text{Ct}$ method; >90% of these assays lie within +/- 1.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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