

Product Datasheet

Vazyme - 2 × Vazyme LAMP Master Mi (P311-02)

Description

Biorbyt LAMP DNA Polymerase is a mixed enzyme of Taq DNA Polymerase and a protein containing 3'→5' exonuclease activity (proofreading activity). The fidelity is 6-fold higher than Taq DNA Polymerase. With a specially optimized buffer system, Biorbyt LAMP DNA Polymerase is suitable for Long-range PCR (up to 21 kb when using the genome as a template). It has high amplification efficiency for templates of different origins and lengths. 2 × Biorbyt LAMP Master Mix contains Biorbyt LAMP DNA Polymerase, dNTP and optimized buffer system. It only needs to add primers and templates to perform amplification reaction, thereby reducing pipetting operations and improving detection throughput and reproducibility of results. The system contains protective agents that keep 2 × Master Mix stable in activity after repeated freezing and thawing. This product is available in a version containing loading buffer and tracking dye, so PCR products can be directly loaded for electrophoresis after the reaction, which is convenient to use. The PCR product has an adenine at the 3' end that can be cloned into the T vector. It is compatible with ClonExpress and TOPO cloning kits (Biorbyt #C112/C113/ C116/C603).

Storage

Store at -30 ~ -15°C and transport at ≤0°C.

Note

For research use only

Application notes

Good performance: ~6X higher than Taq DNA Polymerase; higher amplification efficiency
Convenient operation: Ready-to-use mix; pre-mixed formulation saves time and reduces contamination
Additional features: 3'→5' exonuclease activity
Broad Compatibility: Amplify fragments up to 21 kb (gDNA)

Expiration Date

12 months from date of receipt.

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