

Product Datasheet

Vazyme - 2 × Phanta Flash Master Mix (Dye Plus) (P520-01)

Catalog Number	P520-01
Category	Tools
Description	<p>2 × Phanta Flash Master Mix is a new generation superior enzyme based on Phanta Flash Super-Fidelity DNA Polymerase. Through directed optimization of Phanta DNA Polymerase, Phanta Flash Super-Fidelity DNA Polymerase has the characteristics of rapid amplification (4 - 5 sec/kb) while maintaining high fidelity and yield. The amplification error rate of Phanta Flash Super-Fidelity DNA Polymerase is 81-fold lower than that of conventional Taq DNA Polymerase. Matched with optimized buffer system, this kit can achieve high amplification specificity. And it has excellent compatibility with crude samples, templates with uracil and GC-rich system (primer/template). This kit contains two types of monoclonal antibodies that inhibit the 5'→3' polymerase activity and 3'→5' exonuclease activity at room temperature, enabling it to perform hot start PCR with great specificity. It contains all required reaction components (Phanta Flash Super-Fidelity DNA Polymerase, dNTP and optimized buffer), except primers and templates, thereby simplifying the operation process and improving the detection throughput and repeatability. This product contains tracking dyes, so PCR products can be directly loaded for electrophoresis after the reaction. Amplification will generate blunt-ended products, which are compatible with ClonExpress kits (Biorbyt #C112/C113/C116) and TOPO cloning kit (Biorbyt #C603).</p>
Application notes	<p>High fidelity: ~81X higher than Taq DNA Polymerase Flash amplification: Extension speed up to 5 sec/kb Robust performance: Superior specificity, sensitivity, and yields Broad Compatibility: Suitable for complex samples & GC-rich systems</p>
Usage Notes	Restricted to UK and Ireland's customers ONLY
Storage	Store at -30 ~ -15°C and transport at ≤0°C.

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Background Only available for the UK and Republic of Ireland

Note For research use only

Expiration Date 12 months from date of receipt.

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