

Datasheet for ABIN1536523 High-Stability PCR Kit

Overview

Quantity:	1 kit
Application:	Polymerase Chain Reaction (PCR)

Product Details

Purpose: High-Stability PCR Kit contains Green Taq DNA polymerase, 10× Taq buffer, and Stabilized dNTP Mix, 10 mM Each, all specially formulated for increased stability using our proprietary technology.

Characteristics: High-Stability PCR Kit contains Green Taq DNA polymerase, 10× Taq buffer, and Stabilized dNTP Mix, 10 mM Each, all specially formulated for increased stability using our proprietary technology. The kit can be stored at 4°C. *for over six months or at room temperature (25°C) for one month without significant loss of activity. The stabilizers in the buffers also increase the stability of Green Taq DNA polymerase at higher temperature (72°C), increasing the DNA yield of PCR amplifications of long DNA. This kit facilitates quick and easy PCR setup without any need for thawing. This kit can also be used in high-throughput assays in which all the PCR reagents need to be ready and stable for PCR setup at any time.*

Application Details

Comment: High Stability: The kit remains stable for more than six months when stored at 4°C or for one month when stored at room temperature (25°C) without significant activity loss.

Terminal Transferase Activity: Green Taq DNA polymerase has terminal transferase activity that results in the addition of a single nucleotide (adenosine) at 3'-end of the extension product.

Increased PCR Yield: The Green Taq DNA polymerase has a longer enzyme half-life and therefore increases the PCR yield when amplifying long DNA.

Restrictions: For Research Use only

Handling

Storage: 4 °C/-20 °C

Storage Comment: The kit will remain stable for at least six months if stored at 4°C and for at least one year if stored at -20°C.

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)