
Product Data Sheet

Product Name: Taq Plus DNA

Cat. No.: GP22280

Batch No.: 1

Product Data

Purity	>98%	Source	Recombinant E.coli contains Thermus aquaticus polymerase gene.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Taq Plus DNA Polymerase; Taq Plus DNA; TaqPDNA.		
Formulation	5U/ μ l.		

Stability

Stable for 5 days at 10°C , for longer period of time store at -20°C .

Background

Taq Plus is a mixture of Taq and Pfu. Taq Plus, which is used to improve the reliability and yield of conventional primer extension reaction. Taq Plus has two following advantages over Taq: (1) high fidelity with an error frequency 1.6/10⁶ (or 0.0016/10³) during DNA synthesis. (2) Taq Plus increases the efficiency of polymerization reaction, resulting in a great percentage of extenuation reaction completion up to 10 kb to 30 kb. Pfu has a temperature optimum between 72-78°C and remains > 95% active following 1-hour incubation at 95°C.

Caution: Product has not been fully validated for medical applications. For research use only.

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