
**DNA Polymerase I Klenow Fragment,
sequencing grade**

Cat.No. : 39718

Parameter	Specification
Molecular weight	68 000
Appearance	clear colorless solution
Concentration	3 U/ μ l
Absence of Nuclease Activity	9 units of Klenow Fragment when incubated for 4 h with 1 μ g of λ DNA digest at 37°C showed sharp unaltered pattern on 1 % agarose gel.
Absence of Nickase Activity	9 units of Klenow Fragment when incubated for 4 h with 1 μ g of supercoiled plasmid DNA at 37°C showed unaltered pattern without nicking on 1 % agarose gel.
Performance Test	M13 single stranded DNA primed with M13 Universal Primer and extended using Klenow Fragment at 37°C for 10 min. The extended double stranded product was visualized on 1 % agarose gel.
Storage (°C)	-15 to -25

Unit definition

1 Unit is defined as the amount of enzyme required to convert 10 nmol of total deoxyribonucleotides to an acid insoluble form in 30 minutes at 37°C.

Die Eignung des Produktes für spezielle Anwendungszwecke wird nicht zugesichert.
We do not guarantee that the product can be used for a special application.