

Phage T7 DNA

Description: Bacteriophage T7 DNA is isolated from an infected *E.coli* strain and shows a length of 39936 bp. In Cloning, the T7 DNA is the most popular alternative to Lambda DNA substrate for restriction endonucleases. The complete nucleotide sequence can be found in literature (see references below).

The calculated amount of copies for Phage T7 DNA is 1.14^{10} molecules/ μ l.

Concentration: 0.5 mg/ml

Storage: -18 °C to -22 °C, please avoid freeze-thaw cycles

REF	310005	310025	color
Phage T7 DNA	50 μ g	250 μ g	purple

Application: This product is used for generating DNA size marker fragments in nucleic acid gel electrophoresis and also a common substrate for restriction endonucleases in cloning.

Storage Buffer: 10 mM Tris-HCl (pH 7.4), 10 mM NaCl, 1 mM EDTA



Literature: Dunn, J.J. and Studier, F.W. (1983), Complete nucleotide sequence of bacteriophage T7 DNA and the locations of T7 genetic elements, J. Mol. Biol. 166 (4), 477-535

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