

# NxGen™ T7 DNA Polymerase

Part no. 30224

Supplied at 10,000 U/mL in 50 mM KPO<sub>4</sub>, 0.1 mM EDTA, 1.0 mM dithiothreitol, 50% glycerol, pH 7.0 @ 25°C.

10X T7 DNA Polymerase Buffer in 1X form is 40 mM Tris-HCl, 20 mM MgCl<sub>2</sub>, 50 mM NaCl, pH 7.5 @ 25°C.

**Source:** Purified from a strain of *E. coli* that expresses the recombinant bacteriophage T7 gene 5.

Unit Concentration	10,000 U/mL
Purity (SDS-PAGE)	>99%
SS Exonuclease	Functional
DS Exonuclease	Functional
Endonuclease	100 U <10% converted
<i>E. coli</i> 16S rDNA Contamination	100 U <10 copies
Storage	-20°C

 Lucigen®