



## NxGen™ T7 RNA Polymerase

Part no. 30223

Supplied at 50,000 U/mL in 50 mM Tris-HCl, 100 mM NaCl, 1 mM dithiothreitol, 1 mM EDTA, 50% glycerol, 0.1% Triton X-100, pH 7.9 @25°C.

10X T7 RNA Polymerase Buffer in 1X form is composed of 40 mM Tris-HCl, 6 mM MgCl<sub>2</sub>, 10 mM Dithiothreitol, 2 mM Spermidine, pH 7.9 @ 25°C

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

Unit Concentration	50,000 U/mL
Purity (SDS-PAGE)	>99%
SS Exonuclease	500 U <0.1% released
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Endonuclease	500 U <10% converted
RNAse contamination	500 U = none detected
<i>E. coli</i> 16S rDNA Contamination	500 U <10 copies
Storage	-20°C

