NxGen™ phi29 DNA Polymerase

Part no. 30221

Supplied at 10,000 U/mL in 10 mM Tris-HCl, 100 mM KCl, 0.1 mM EDTA, 1mM dithiothreitol, 0.5% Tween-20, 0.5% NP-40, 50% glycerol, pH 7.4 @ 25°C.

10X phi29 DNA Polymerase Buffer composed of 500 mM Tris-HCl, 100 mM $(NH_4)_2SO_4$, 40 mM Dithiothreitol, 100 mM $MgCl_2$, pH 7.5 @ 25°C.

Source: A recombinant E. coli strain carrying the phi29 DNA Polymerase gene from bacteriophage phi29.

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

Lucigen®