



## NxGen™ T4 RNA Ligase

Part no. 30244

Supplied at 20,000 U/mL in 10 mM Tris-HCl, 50 mM KCl, 0.1 mM EDTA, 1.0 mM dithiothreitol, 50% glycerol, pH 7.5 @ 25°C .

10X T4 RNA Ligase Buffer which in 1X form is 50 mM Tris-HCl, 10 mM MgCl<sub>2</sub>, 1 mM ATP, 10 mM dithiothreitol, pH 7.8 @ 25°C.

**Source:** A recombinant *E. coli* strain carrying the T4 RNA Ligase gene from bacteriophage T4.

Unit Concentration	20,000 U/mL
Purity (SDS-PAGE)	>99%
SS Exonuclease	200 U <5.0% released
DS Exonuclease	200 U <0.5% released
Endonuclease	200 U <10% converted
Non-specific RNase	200 U none detected
<i>E.coli</i> 16S rDNA Contamination	200 U <10 copies
Storage	-20°C



Lucigen®