



5X T4 DNA Ligase Buffer

Cat. No. 46300-018

Size: 2 x 1 ml

Store at -20°C.

For use with T4 DNA Ligase; detailed instructions are provided on the enzyme product profile.

Components:

Y90001 5X T4 DNA Ligase Buffer

Buffer Composition (5X concentration)(1):

250 mM Tris-HCl (pH 7.6)

50 mM MgCl₂

5 mM ATP

5 mM DTT

25% (w/v) polyethylene glycol-8000

For optimal transformation, dilute the ligation reaction \geq 5-fold prior to adding the DNA to the competent cells in order to prevent inhibition of transformation (2).

Quality Control:

This product has passed the following quality control assays: functional absence of endonuclease and exonuclease activities.

References:

1. King, P.V. and Blakesley, R.W. (1986) *Focus*[®] 8:1, 1.
2. Jessee, J. (1984) *Focus*[®] 6:4, 5.

Doc. Rev.: 091701

This product is distributed for laboratory research only. CAUTION: Not for diagnostic use. The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

For technical questions about this product, call the Invitrogen Tech-LineSM U.S.A. 800 955 6288