

T4 DNA Ligase Buffer (2X)

CATALOG #: 9102-1

AMOUNT: 2 vials x 0.5 ml

LOT #: _____

DESCRIPTION:

T4 DNA Ligase Reaction Buffer (2X) consists of 132 mM Tris-HCl (pH 7.6), 15% PEG 6000, 20 mM MgCl₂, 2 mM DTT, and 2 mM ATP.

PURITY:

Tested for the absence of endonuclease and exonuclease activity, with both double- and single-stranded DNA.

REACTION CONDITIONS:

For DNA ligation in a 20 µl volume, add 10 µl of the 2X Buffer, 0.1 µg DNA, and 1 unit enzyme. For plasmid ligations, incubate 5 min at room temperature.

Note: A complete 5 minutes DNA Ligation Kit (BioVision Cat# K902-50) is also available.

STORAGE CONDITIONS: -20°C

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies

FOR RESEARCH USE ONLY! Not to be used on humans.