



67428

T4 DNA Ligase RC (1000CEU/mcl or 5 Weiss Unit/mcl)

Part E

Specifications

Appearance (Form)	Liquid
Appearance (Colour)	Colourless
Appearance (Clarity)	Clear
Activity	Enzyme is tested in ligation of Lambda DNA digests at 16°C within one hour.

Other Information

Description

T4 DNA ligase is an ATP-dependent recombinant enzyme, isolated from Escherichia coli, used for DNA cloning. T4 DNA Ligase catalyzes the formation of a phosphodiester bond between juxtaposed 5'-phosphate and 3'-hydroxyl termini in duplex DNA or RNA. It will join both blunt-ended and cohesive-ended restriction fragments of DNA as well as repair single-stranded nicks in duplex DNA, RNA or DNA/RNA hybrids.

Applications

Joins DNA molecules with compatible cohesive termini.
Joins blunt-ended double stranded DNA molecules to one another or to synthetic linkers.
Gene cloning - recombination of vector and insert.

250 U (Weiss):
T4 DNA Ligase RC - 50 ?l
10X Ligation Buffer - 1.5 ml

Includes

1000 U(Weiss):
T4 DNA Ligase RC - 200 ?l
10X Ligation Buffer - 2 X 1.5 ml

5000 U(Weiss):
T4 DNA Ligase RC - 1000 ?l
10X Ligation Buffer - 5 X 1.5 ml

General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	24 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
1000 Units (Weiss)	38229090 (GST 12%)
250 Units (Weiss)	38229090 (GST 12%)

Available Packages

250 Units (Weiss)

1000 Units
(Weiss)

Disclaimer

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608-B, Satellite Gazebo, Andheri Ghatkopar Link Road, Chakala, Andheri (E), Mumbai - 400 099, Maharashtra, India. Telephone: +91-22-4268 5800, Email: info@srchem.com, website www.srchem.com
