

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

DNA Ligase from T4-infected Escherichia coli - buffered aqueous glycerol solution

**Product Number:** D2886  
**CAS Number:** 9015-85-4  
**MDL:** MFCD00163508

**Storage Temperature:** -20 °C

TEST	Specification
------	---------------

Functionality Suitable for ligation of blunt-ended DNA fragments.	Suitable
Enzymatic Activity 4000 Weiss units/ml Unit Definition: One Weiss unit is defined as the amount of enzyme required to catalyze the exchange of 1 nmole of P32 from pyrophosphate into ATP as Norit-absorbable material in 20 minutes at 37°C. 0.01 Weiss unit is the amount of enzyme required to ligate > 95% of 1 µg bacteriophage lambda Hind III fragments at 16°C in 20 minutes.	Conforms

Specification: PRD.0.ZQ5.10000026731

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.