



Kickspeed 2X DNA Ligation Mix

Cat.# **FG-LM50** Size **50 reactions**

Store at -20°C

Supplied with: FastGene® Kickspeed 2X DNA Ligation Mix

For Research Use Only. Not for use in diagnostic procedures.

ISO9001

Product description

FastGene® Kickspeed 2X DNA Ligation Mix is a ready-to-use solution of T4 DNA Ligase for both sticky-end and blunt-end ligation reactions. This master mix enables quick ligation in a short incubation time (< 5min) at room temperature.

Characteristics

- 2X Master mix of T4 DNA Ligase and ligation enhancer
- Fastest ligation of dsDNA with sticky end and blunt end
- Incubation-free ligation

Applications

- Vector construction
- Linker ligation
- Fragment assembly
- Routine cloning

Components

- FastGene® Kickspeed DNA Ligase
- DNA Ligase Buffer

Standard reaction conditions

FastGene® Kickspeed DNA Ligation Mix	5 µl
Vector DNA (20~100 ng)	1 µl
Insert DNA (3-fold molar excess of vector)	1 µl
Sterile water	up to 10 µl

- Mix carefully.
- Incubate the mixture at room temperature (25°C) for 5 to 15 min. (Caution : DO NOT heat the mixture for heat inactivation of enzyme. This will dramatically reduces transformation efficiency.)
- Transform 10 µl of the ligated DNA directly into appropriate E. coli cells.



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