

GeNei™ Ligation Teaching Kit

Description: The kit demonstrates the function of T4 DNA Ligase which seals nicks and joins ends (blunt & sticky) of double stranded DNA. Students will carryout the ligation of fragments generated by digestion of Lambda DNA with *EcoR* I restriction enzymes, and analyse results by agarose gel electrophoresis.

The kit provides materials sufficient for 5/20 experiments.

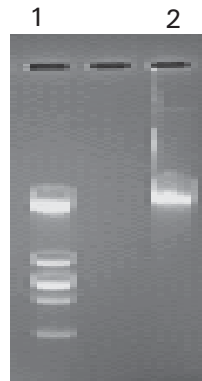
Materials Provided:

- Lambda / *EcoR* I Digest
- Ligase Buffer
- T4 DNA Ligase*
- Agarose
- Staining Dye
- Gel Loading Buffer
- 50X TAE
- 1.5 ml vials
- Instruction Manual

Elpho Kit (Cat # 107070)

Specially designed mini size electrophoresis apparatus and power supply unit (50 V/100 V) which can be ordered separately.

Note: *T4 DNA Ligase is supplied as a single aliquot.



Ligation of λ /*EcoR* I Fragments

Lane:

1. λ /*EcoR* I Digest
2. λ /*EcoR* I Digest after ligation.

Ordering Information:

Product	Size	Cat #
GeNei™ Ligation Teaching Kit (Consumables for 5 experiments & Elpho Kit (Cat# 107070))	1 Pack	106250
GeNei™ Ligation Teaching Kit (Consumables for 5 experiments)	1 Pack	106251
GeNei™ Ligation Teaching Kit (Consumables for 20 experiments)	1 Pack	106252

GeNei™ Transformation Teaching Kit

Description: The kit demonstrates preparation of competent cells by CaCl_2 method and its transformation with plasmid DNA. Plasmid DNA is provided which helps to understand α complementation and blue white screening.

The kit provides materials sufficient for 5/20 Transformation experiments.

Materials Provided:

- Ampicillin
- X-Gal
- Host
- 1.5 ml tubes
- CaCl_2
- Agar
- IPTG
- LB Broth
- Plasmid DNA
- Instruction Manual

Ordering Information:

Product	Size	Cat #
GeNei™ Transformation Teaching Kit (Consumables for 5 experiments)	1 Pack	107385
GeNei™ Transformation Teaching Kit (Consumables for 20 experiments)	1 Pack	106220