



95043

DNA Ligation Kit (Teaching)

Part E

Specifications

Activity

Lambda DNA Digests of the teaching kit were ligated using T4DNA ligase after incubating at 16°C for one hour

Other Information

Description

The overall goal is to join linear DNA fragments together with covalent bonds. More specifically, DNA ligation involves creating a phosphodiester bond between the 3' hydroxyl of one nucleotide and the 5' phosphate of another. The term recombinant DNA encapsulates the concept of recombining fragments of DNA from different sources into a new and useful DNA molecule. This ligation kit contains material for ligation of two lambda DNA digests using the enzyme T4 DNA ligase.

Includes

Lambda Digest1 (250ng/mcl) - 80.0 mcl
 Lambda Digest2 (250ng/mcl) - 80.0 mcl
 10 X Reaction buffer - 100 mcl
 T4 DNA Ligase (20 units/mcl) - 15 mcl
 Sterile Water - 500 mcl
 6 X Gel loading Dye - 200 mcl
 Agarose - 1.2 gm
 Ethidium Bromide - 30 mcl
 50 X TAE buffer - 25 ml
 DNA marker - 60 mcl

General Information

Storage

-20 °C (Blue/Dry Ice)

Shelf Life

12 Months

IMDG Identification

Not Regulated for Transport (Non-Haz)

HSN Code

10 expt. Kit

38229090 (GST 12%)

Available Packages

10 expt. Kit

Disclaimer

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