

Oct 11, 2022

Ligation

DOI

<https://dx.doi.org/10.17504/protocols.io.6qpvr4dmbgmk/v1>

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Protocol Citation: Georgina Elisa Diego Macías, Ana Belem García González, Irán Alessandra Chaparro Rodríguez, Jair Alexis Gardea Sáenz 2022. Ligation. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.6qpvr4dmbgmk/v1>

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Protocol status: Working

We use this protocol and it's working



Created: October 10, 2022

Last Modified: October 11, 2022

Protocol Integer ID: 71134

Keywords: master mix ligase, ligation, restriction digestion protocol, protocol, digestion

Abstract

Protocol for a Ligation with Master Mix Ligase after a restriction digestion protocol had been made.

Materials

- Ultra Pure Water
- Digested fragment of DNA vector with EcoRI & PstI
- Digested fragment of DNA insert with XbaI PstI
- Master Mix Ligase



- 1 Add  5 μL of Master Mix Ligase
- 2 Add the a quantity of the DNA vector digested by EcoRI and PstI in a molar ratio 1:3 with the DNA insert
- 3 Add the a quantity of the DNA insert digested by EcoRI and PstI in a molar ratio 3:1 with the DNA vector
- 4 Add water up to  20 μL
- 5 Ligate for  20:00:00 at 22°C
- 6 Transform with  5 μL of the product

20h