OCT 15, 2019

🌐 Double Digestion of Insert DNA

Igem Dusseldorf¹

¹Heinrich-Heine Universität Düsseldorf

Igem Dusseldorf

MATERIALS

Sterile MiliQ water

10x Fast Digest Buffer

PCR-amplified DNA

Fast Digest Enzyme 1

Fast Digest Enzyme 2

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.79ehr3e

Protocol Citation: Igem Dusseldorf 2019. Double Digestion of Insert DNA.
protocols.io
<https://dx.doi.org/10.17504/protocols.io.79ehr3e>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working
 We use this protocol and it's working

Created: Oct 15, 2019

Last Modified: Oct 15, 2019

PROTOCOL integer ID:
 28678

Double digest of insert DNA

- 1 *Combined enzyme volume should not exceed 1/10 of the total reaction volume.*
 For **double** digestion with **two** FastDigest restriction enzymes, mix:

1m

Component	Amount
10x FastDigest Buffer	2 μ l
DNA	400 ng
FastDigest Enzyme 1	1 μ l
FastDigest Enzyme 2	1 μ l
Sterile MilliQ Water	Fill up with Sterile MilliQ Water to 20 μ l

Note

Total Volume can vary. Other components need to be adjusted.

2 Mix gently and spin down

3 Incubate at enzyme suitable conditions

4m

Note

Find out suitable conditions on website of particular science company

4 Inactivate the enzyme at suitable conditions

1m

Note

Find out suitable conditions on website of particular science company

5

Note

Optional: Load on 1% agarose gel and run (duration and voltage vary)