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Hi-Fi Gibson Assembly

DOI

<https://dx.doi.org/10.17504/protocols.io.8abhsan>

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Protocol status: Working

We use this protocol and it's working

Created: October 15, 2019

Last Modified: September 12, 2023

Protocol Integer ID: 28707

Materials

MATERIALS

 NEBuilder HiFi DNA Assembly Master Mix - 10 rxns **New England Biolabs Catalog #E2621S**

STEP MATERIALS

 NEBuilder HiFi DNA Assembly Master Mix - 10 rxns **New England Biolabs Catalog #E2621S**

Protocol materials

 NEBuilder HiFi DNA Assembly Master Mix - 10 rxns **New England Biolabs Catalog #E2621S**



- 1 Calculate for volumes of respective fragments to assemble based on their length and concentration
- 2 Add calculated volume of each fragment (maximum volume:  5 μ L)
- 3 Add in  5 μ L of 2x Hi-Fi DNA Assembly Master Mix into the PCR tube

 NEBuilder HiFi DNA Assembly Master Mix - 10 rxns **New England Biolabs Catalog #E2621S**
- 4 Vortex to mix
- 5 Spin down PCR tube
- 6 Incubate samples at  50 °C for  00:45:00