



PROTOCOL STATUS

Working

We use this protocol in our group and it is working

MATERIALS

NAME Y	CATALOG #	VENDOR V
T7 DNA Ligase - 100,000 units	M0318S	New England Biolabs
nuclease free water		Contributed by users
Bsal-HFv2	R3733L	New England Biolabs
10X NEB T4 DNA ligase buffer		New England Biolabs

Reaction Setup on ice

- 1 1. Add 1 μL of 70 ng Template DNA. 🐧 0 °C
- 2. Add three fold excess of PCR-Fragment. § 0 °C
- 3 3. Add 0.5 µL BsmBI. 8 0 °C
- 4 4. Add 0.5 μL T7-Ligase. 8 0 °C
- 5 5. Add 1 μL T4-Ligase Buffer. 8 0 °C

7 Thermocycling conditions:

Thermocycling conditions

- 8 30 Cycles of 2min 98°C / 5min 16°C
- 9 30 min. 37°C. § 37 °C
- 10 min. 80°C. 880 °C
- 11 Hold 20°C. § 20 °C

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