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Feb 16, 2022

# Large (Klenow) Fragment Blunting (M0210) V.2

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[dx.doi.org/10.17504/protocols.io.be6djha6](https://dx.doi.org/10.17504/protocols.io.be6djha6)**New England Biolabs (NEB)**Tech. support phone: **+1(800)632-7799** email: **info@neb.com****New England Biolabs**  
New England Biolabs

Protocol for blunting ends by 3' overhang removal and fill-in of 3' recessed (5' overhang) ends using DNA Polymerase I, Large (Klenow) Fragment (M0210)

DOI

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**protocols.io**

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Klenow Fragment, Large DNA Polymerase Fragment, Large Klenow Fragment, Large DNA Klenow Fragment

\_\_\_\_\_ protocol ,

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## MATERIALS

 **DNA Polymerase I Klenow Fragment - 200 units New England**

**Biolabs Catalog #M0210S**

Please refer to the Safety Data Sheets (SDS) for health and environmental hazards.

- 1 DNA should be dissolved in **1X NEBuffer** or T4 DNA Ligase Reaction buffer supplemented with **33 Micromolar ( $\mu\text{M}$ )** each **dNTP**.

2



Add 1 unit of Klenow per microgram DNA.

3



Incubate for **00:15:00** at **25 °C**.

4



Stop reaction by adding EDTA to a final concentration of **10 Milimolar (mM)**.

5



Heat for **00:20:00** at **75 °C**.