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Protocol for Exo-CIP™ Rapid PCR Cleanup (#E1050) V.2

New England Biolabs[1]

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Exo-CIP™ Rapid PCR Cleanup Kit

- Rapidly degrade residual PCR primers and dephosphorylate excess dNTPs after amplification
- Reaction complete in 4 minutes
- Thermolabile formulation can be heat inactivated in 1 minute at 80°C
- PCR product can be used directly in downstream applications
- Compatible with commonly-used reaction buffers

DOI

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https://neb.com/protocols/2019/01/16/protocol-for-exo-ciprapid-pcr-cleanup-e1050

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MATERIALS

Exo-CIP Rapid PCR Cleanup Kit - 100 rxns **New England Biolabs Catalog #E1050S**

Please see SDS (Safety Data Sheet) for hazards and safety warnings.

1 

Transfer **5 µL PCR product** to a new PCR tube and add **1 µL Exo-CIP A** and **1 µL Exo-CIP B** . The final volume is **7 µL** .

2 

Mix thoroughly and briefly centrifuge at **1000 x g** .

3 

Incubate the reaction tube for **00:04:00** at **37 °C** followed by **00:01:00** at **80 °C** .

4 

Submit **3 µL treated PCR product (in a range of 15-200 fmol)** or less* for sequencing using BigDye™ Terminator v3.1 Cycle Sequencing Kit or store the treated samples at **-20 °C** for longer term storage.

* A simple way to determine the amount of your amplicon is to load **3 µL** on an agarose gel along with a known amount of a control DNA for comparison. Alternatively, direct measurement using fluorescent dye based kit (e.g., Qubit™) will ensure the proper amount of DNA is submitted.

A	B
Size of PCR amplicon	**ng of DNA (in 3 µl sample)**
100 bp	1 - 12
500 bp	5 - 60
1000 bp	10 - 120
3000 bp	30 - 360
5000 bp	50 - 600

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