VERSION 1

MAY 16, 2020

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.8yahxse

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

Protocol Citation: New England Biolabs 2020. Protocol for Exo-CIP™ Rapid PCR Cleanup (#E1050). **protocols.io** <https://dx.doi.org/10.17504/protocols.io.8yahxse>

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

Created: Nov 01, 2019

Last Modified: Mar 29, 2021

Protocol for Exo-CIP™ Rapid PCR Cleanup (#E1050) V.1

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ABSTRACT

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

MATERIALS

MATERIALS

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

STEP MATERIALS

BigDye™ Terminator v3.1 Cycle Sequencing Kit **Thermo Fisher Scientific Catalog #4337455**

SAFETY WARNINGS

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

PROTOCOL integer ID:
29410

Keywords: PCR, PCR Cleanup, exo sap, exo-sap, exosap, exocip, exo-cip, exo-cip, PCR Cleanup, PCR Clean up

1 Transfer 5 μL of PCR product to a new PCR tube and add 1 μL of Exo-CIP A and Exo-CIP B respectively. 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 or less (in a range of 15-200 fmol)* of treated PCR product for sequencing using BigDye™ Terminator v3.1 Cycle Sequencing Kit or store the treated samples at -20 °C for longer term storage.

BigDye™ Terminator v3.1 Cycle Sequencing Kit **Thermo Fisher Scientific Catalog #4337455**

Note

* 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.

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