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Protocol for Exonuclease VII (NEB #M0379)

New England Biolabs[1]

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1 *Works for me* This protocol is published without a DOI.

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ABSTRACT

Exonuclease VII efficiently cleaves single-stranded DNA (ssDNA) from both 5´→3´ and 3´→5´ direction. This enzyme is not active on linear or circular dsDNA

EXTERNAL LINK

https://neb.com/protocols/2019/07/24/protocol-for-exonuclease-vii-m0379

PROTOCOL CITATION

New England Biolabs 2020. Protocol for Exonuclease VII (NEB #M0379). **protocols.io** https://protocols.io/view/protocol-for-exonuclease-vii-neb-m0379-7sahnae

EXTERNAL LINK

https://neb.com/protocols/2019/07/24/protocol-for-exonuclease-vii-m0379

CREATED

Sep 27, 2019

LAST MODIFIED

Jun 20, 2020

OWNERSHIP HISTORY

Sep 27, 2019 Anita Broellochs protocols.io

Jun 18, 2020 New England Biolabs Tech Support New England Biolabs

PROTOCOL INTEGER ID

28194

MATERIALS

NAME	CATALOG #	VENDOR
Exonuclease VII	M0379	New England Biolabs

SAFETY WARNINGS

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

1

Set-up the reaction as follows:

COMPONENTS	Reaction Volumes
PCR Product	5 µl
Exonuclease VII	2 µl (20 units)

2 

Incubate the mix at **37 °C** for **00:30:00** .

3 Heat inactivate **95 °C** for **00:10:00** prior to Sanger DNA sequencing.
For other downstream molecular cloning applications column cleanup is recommended.

Note: See Exo-CIP™ Rapid PCR Cleanup Kit (NEB #E1050) for Sanger Sequencing, SNP detection, or library preparation for NGS.

4 To clean up treated samples, we recommend using one of the following steps:

a. Column clean up (we recommend the Monarch® PCR & DNA Cleanup Kit, NEB #T1030), or

b. Running the reaction on an agarose gel, and then extracting the DNA (we recommend the Monarch Gel Extraction Kit, NEB #T1020), or

c. Performing a phenol/chloroform extraction followed by ethanol precipitation.