

Radioactive Labeling with T4 PNK 3' phosphatase minus

New England Biolabs

Abstract


Radioactive Labeling with T4 Polynucleotide Kinase 3' phosphatase minus

Citation: New England Biolabs Radioactive Labeling with T4 PNK 3' phosphatase minus. **protocols.io**

dx.doi.org/10.17504/protocols.io.cp9vr5

Published: 25 Jan 2015

Materials

 T4 Polynucleotide Kinase (3' phosphatase minus) - 200 units [M0236S](#) by [New England Biolabs](#)

Protocol

Step 1.

Set-up the following reaction:

 [PROTOCOL](#)

. [Radioactive T4PNK Minus Reaction](#)

CONTACT: [New England Biolabs](#)

Step 1.1.

DNA, up to **50 pmol** of 5' termini

Step 1.2.

10X T4PNK Reaction Buffer, **5 µl**

 [AMOUNT](#)

5 µl Additional info:

Step 1.3.

ATP **50 pmol** of [γ-32P] ATP, **5 µl**

 [AMOUNT](#)

5 µl Additional info:

Step 1.4.

T4PNK 3' phosphatase minus, **2 µl** (20 units)

Step 1.5.

Water up to **50 µl**

Step 2.

Incubate at 37°C for 30 minutes.

 [DURATION](#)

00:30:00

Step 3.

Heat inactivate by incubating at 65°C for 20 minutes.

 DURATION

00:20:00