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Radioactive Labeling with T4 PNK 3' phosphatase minus V.1

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Abstract

Radioactive Labeling with T4 Polynucleotide Kinase 3' phosphatase minus

Materials

MATERIALS

 T4 Polynucleotide Kinase (3' phosphatase minus) - 200 units **New England Biolabs Catalog #M0236S**

Troubleshooting



1 Set-up the following reaction:

Protocol

NAME



Radioactive T4PNK Minus Reaction

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[Preview](#)

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

1.2 10X T4PNK Reaction Buffer, **5 µl**

 5 µL


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

 5 µL


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

1.5 Water up to **50 µl**

2 Incubate at 37°C for 30 minutes.

 00:30:00

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

 00:20:00