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Version 1

Radioactive Labeling with T4 PNK (M0201S) V.1

DOI

<https://dx.doi.org/10.17504/protocols.io.cp7vrm>



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Abstract

Radioactive Labeling with T4 Polynucleotide Kinase

Materials

MATERIALS

 T4 Polynucleotide Kinase - 500 units **New England Biolabs Catalog #M0201S**



1 Set-up the following reaction:

Protocol

NAME



T4 PNK Radioactive 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, **2 µl** (20 units)

 2 µL

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