

Radioactive Labeling with T4 PNK (M0201S)

New England Biolabs

Abstract


Radioactive Labeling with T4 Polynucleotide Kinase

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Materials

 T4 Polynucleotide Kinase - 500 units [M0201S](#) by [New England Biolabs](#)

Protocol

Step 1.

Set-up the following reaction:

 [PROTOCOL](#)

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

 [AMOUNT](#)

2 µl Additional info:

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