Radioactive Labeling with T4 PNK (M0201S) V.1

ABSTRACT
Radioactive Labeling with T4 Polynucleotide Kinase

EXTERNAL LINK
https://www.neb.com/protocols/2012/08/24/radioactive-labeling-with-t4-pnk-or-t4-pnk-3-phosphatase-minus

DOI
dx.doi.org/10.17504/protocols.io.cp7vrm

PROTOCOL CITATION
New England Biolabs: Radioactive Labeling with T4 PNK (M0201S). protocols.io
https://dx.doi.org/10.17504/protocols.io.cp7vrm

EXTERNAL LINK
https://www.neb.com/protocols/2012/08/24/radioactive-labeling-with-t4-pnk-or-t4-pnk-3-phosphatase-minus

KEYWORDS
radioactivity, T4PNK Reaction Buffer, labeling radioactivity, radiolabeling

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479

MATERIALS

<table>
<thead>
<tr>
<th>NAME</th>
<th>CATALOG #</th>
<th>VENDOR</th>
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</thead>
<tbody>
<tr>
<td>T4 Polynucleotide Kinase - 500 units</td>
<td>M0201S</td>
<td>New England Biolabs</td>
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Set-up the following reaction:
1.1 DNA, Up to **50 pmol** of 5' termini

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

1.3 ATP, **50 pmol** of [\(\gamma\)-32P] ATP, **5 µl**

1.4 T4PNK, **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

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