

Radioactive Labeling with T4 PNK or T4 PNK (3′ phosphatase minus)

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1. Set-up the following reaction:

DNA	Up to 50 pmol of 5′ termini
T4 PNK Reaction Buffer (10X)	5 μl
ATP (10 mM)	50 pmol of [γ- ³² P] ATP
T4 PNK	2 μl (20 units)
Nuclease-free Water	up to 50 μl

- Incubate at 37°C for 30 minutes.
- Heat inactivate by incubating at 65°C for 20 minutes.

Note: [³³P] ATP may be substituted for [³²P] ATP.

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