

Dephosphorylation using AnP (M0289)

New England Biolabs

Abstract


This is the protocol for dephosphorylation of 5'-ends of DNA using AnP (Antarctic Phosphatase - M0289).

Citation: New England Biolabs Dephosphorylation using AnP (M0289). **protocols.io**

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Materials

 Antarctic Phosphatase - 1,000 units [M0289S](#) by [New England Biolabs](#)

Protocol

Step 1.

Add 1/10 volume of 10X Antarctic Phosphatase Reaction Buffer to 1-5 µg of DNA cut with any restriction endonuclease in any buffer.

Step 2.

Add 1 µl of Antarctic Phosphatase (5 units) and mix.

 **AMOUNT**

1 µl Additional info:

Step 3.

Incubate for 15 minutes at 37°C for 5' extensions or blunt-ends, 60 minutes for 3' extensions.

Step 4.

Heat inactivate (or as required to inactivate the restriction enzyme) for 5 minutes at 70°C.

 **DURATION**

00:05:00

Step 5.

Proceed with ligation.