

# Removal of pyrophosphate from 5' triphosphorylated RNA using RppH (NEB #M0356)

## Overview

1. Set up the reaction as shown below-

Component	Volume
5' triphosphorylated RNA	Up to 2 µg
NEBuffer 2	2 µl
RNA 5' Pyrophosphohydrolase (RppH)	2 µl
Nuclease-free water	to 20 µl

2. Incubate at 37°C for 30 minutes.
3. Stop the reaction by adding EDTA to a final concentration of 20mM. Alternatively, you can directly proceed to RNA clean up.

Note: The EDTA chelates Mg<sup>++</sup> ions so if you intend to follow the RppH reaction with another enzymatic reaction that uses Mg<sup>++</sup> without reaction clean up, avoid adding EDTA. We recommend purifying RNA between different enzymatic steps to ensure optimal performance of the enzymes.