



Poly (A) Polymerase Kit

Kit for addition of AMP from ATP to the 3' end of RNA

Components of the kit:

- TG Poly(A) Polymerase (CN: TG-Poly A)
- TG ATP 10mM (CN: TG-ATP)
- TG Poly(A) Polymerase Reaction Buffer 10X

(CN: TG-Poly A Buffer)

***Keep at -20 °C**

****Work on ice**

Reaction Mix:

10X Poly(A) Buffer	2 μ L
ATP(10mM)	2 μ L
RNA Template	0.5-2 μ g
(RNase/DNase free Water)	variable
Poly(A) Polymerase Enzyme	2 μ L
Total valume	20 μ L

- Mix by pipetting
- Incubate reaction at 37°C for 30 minutes.

The reaction may be stopped by any one of the following:

a) immediate storage at -20°C

b) addition of EDTA to a final concentration of >10 mM.

c) phenol/chloroform extraction and salt/alcohol precipitation

***We do not recommend heat denaturation of the enzyme to stop the reaction due to the potential for RNA thermal degradation**

Enzyme Test:

To test the kit, you can use PCR primer instead of RNA sample in the mentioned reaction, and then observe the size changes of primer in 1% agarose electrophoresis

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