mRNA Production Kits

DNA Template

RNA

RNA

mini

1. In vitro transcription Kit

This kit is designed for the *in vitro* transcription (IVT) of your linear plasmid DNA or PCR fragment using the **T7** *polymerase*. It is supplied with enough components for **25** *reactions* (20µl each), giving a yield of **2.5 mg of RNA per kit**.

Key benefits :

- High-yield RNA production
- Efficient polymerase (even with modified nucleotides)
- Separeted NTPs for an easier optimization / replacement with modified nucleotids

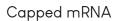
2. Capping kit

This kit is dedicated to the *in* vitro enzymatic **capping of mRNA**. It permits the addition of a CapO or Cap1 structure on the 5' terminus of mRNA, **improving its stability and translation**.

Key benefits :

- Great capping efficiency
- Quick reaction
- Easy steps





OZB IVT Kit : • Enzyme mix (T7) • NTPs • IVT Buffer 10x • Nuclease free water • Dnase I • Precipitation solution

OZB Capping Kit :

- · 2'O-Methyltransferase
- Vaccinia Capping Enzyme

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- · GTP
- Capping Buffer 10X
 - Rnase inhibitor
- · SAM
- Nuclease free water

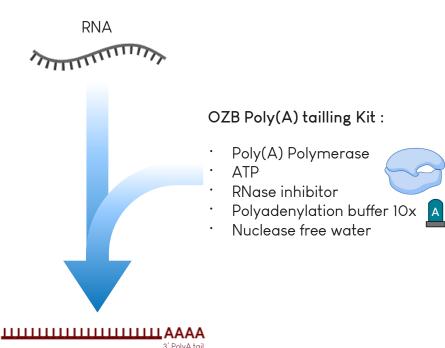


3. Poly(A) tailling kit

This kit is intended for the enzymaticaddition of a **poly(A) tail** to the 3-hydroxyl termini of capped or non-capped RNAs **independently of the template**. The Poly(A) Tailing Kit allows the addition of approximately **200 nucleotides** per reaction (based on 100µg of RNA).

Key benefits :

- Highly processive enzyme
- Excellent reproducibility
- Quick and easy to use



Polyadenilated RNA

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