

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)
- Separated NTPs for an easier optimization / replacement with modified nucleotides



OZB IVT Kit :

- Enzyme mix (T7)
- NTPs
- IVT Buffer 10x
- Nuclease free water
- Dnase I
- Precipitation solution



2. Capping kit

This kit is dedicated to the *in vitro* enzymatic **capping of mRNA**. It permits the addition of a Cap0 or Cap1 structure on the 5' terminus of mRNA, **improving its stability and translation**.

Key benefits :

- Great capping efficiency
- Quick reaction
- Easy steps



OZB Capping Kit :

- 2'O-Methyltransferase
- Vaccinia Capping Enzyme
- GTP
- Capping Buffer 10X
- Rnase inhibitor
- SAM
- Nuclease free water



3. Poly(A) tailing kit

This kit is intended for the enzymatic addition 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



Polyadenylated RNA

OZB Poly(A) tailing Kit :

- Poly(A) Polymerase
- ATP
- RNase inhibitor
- Polyadenylation buffer 10x
- Nuclease free water



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