

EZ-LNPTM RNA Transfection Kit

What's in the Package

- 1x User Manual
- 1 vial of EZ-LNP
- 1 -3 vial(s) of RNA Buffer

Storage Requirement

- Store both vials at 4C upon arrival

Quick Protocol:

1. Warm up EZ-LNP

- Incubate EZ-LNP vial at 37°C for at least 10 minutes.
- The solution should become clear with no visible particulates.
- Do not warm EZ-Buffer — use directly.

2. Prepare RNA Solution

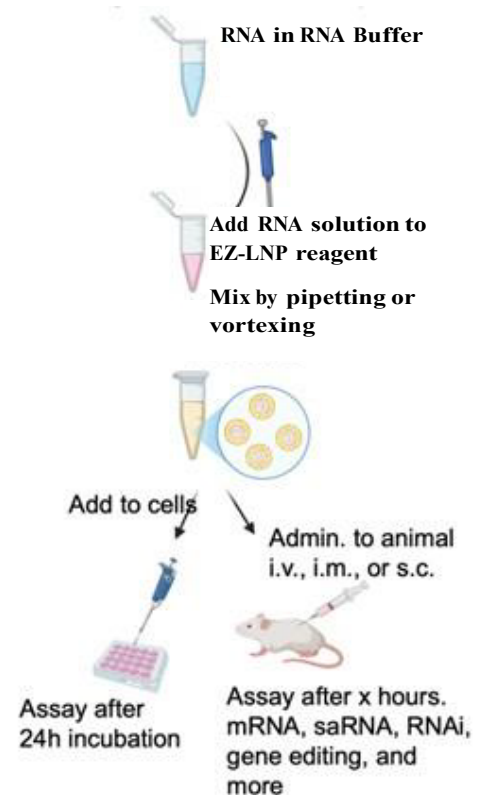
- Dilute RNA in EZ-Buffer to your desired concentration.
- Typical final RNA concentration: 100–180 µg/mL
- Recommended: 130–150 µg/mL

3. Formulate LNP-RNA Complex

- In a clean microcentrifuge (Eppendorf) tube:
- Add 1 part EZ-LNP solution
- Then quickly add 3 parts RNA solution
- Immediately pipette up and down ≥ 20 times (vigorously) or vortex for ~3 seconds

4. Use Immediately

- The LNP-RNA formulation is now ready
- Keep on ice and use the same day for best results.



Additional Notes

- For initial test quick screening, RiboGreen test is not necessary.
- The concentration of RNA in the LNP formulation is about 0.7 x RNA concentration in step2 (EZ-LNP achieves ~95% encapsulation efficacy in most cases).
- For different RNAs, the dose and readout time may need to be optimized.
- EZ-LNP is for research use only.