

EZ virus in vivo kit

Product Number: TR3015

Shipping and Storage

This product is transported at room temperature and stored for a long time at 4°C, with a validity period of 12 months.

This product is safe to use and no biological or chemical toxicity has been found. If accidentally contaminated, rinse with clean water.

Description

EZ virus in vivo kit is a nano polymer virus infection enhancement reagent developed and synthesized by our company. This reagent is synthesized using nanotechnology and enriches and protects virus particles through physical contact with them, assisting in their entry into cells, to achieve the goal of enhancing virus infection.

Features

1. Can be used for animal infection enhancement of adenoviruses, adeno-associated viruses, lentiviruses, and retroviruses.
2. On the basis of commonly using virus to infect animals, it can be pre mixed with enhancing reagents to achieve the goal of enhancing the ability of virus infection.
3. No obvious inflammatory response to animals, no involvement in physiological activities, and no impact on research.
4. Easy to operate.

Note

1. **Virus dosage and requirements.** Follow the usual dose of the virus and try to increase the titer as much as possible.
2. **The dosage of EZ virus in vivo kit.** When injecting into the tail vein, EZ virus in vivo kit is used at a rate of 25µl per 20g body weight. Table 1 shows the composition of each component when the tail vein injection volume is 100µl. When local injection, the total injection dose can be determined first, and then according to the ratio in Table 1, 1/4 of the total injection dose is the amount of enhancer reagent used, while the rest is the amount of virus and PBS used.
3. If the viral titer is low, PBS dilution can be used sparingly or not.

Table 1. Composition of 100µl composite

Transfection complexes	25µl enhancement reagent
	A certain amount of virus stock solution
	PBS solution supplementation

Protocol

Taking a certain amount of virus and 25µl of enhancer reagent, with a total injection volume of 100µl, as an example, adult mice (20g) will be injected into the tail vein.

1. **Dilute the enhancing reagent.** Dilute 25µl of EZ virus in vivo kit reagent with PBS solution and mix thoroughly.
2. **Formation of viral complexes.** Add an appropriate amount of virus solution to the diluted enhancer reagent and immediately mix thoroughly.
3. **Let it stand at room temperature for 15 minutes.**
4. **Animal injection.**

Common problems and solutions

Problem	Reason	Solution
Virus complex precipitates	Virus titer too low	Increase virus titer or store the virus in pure water



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	The virus complex has been left for too long	Viral complexes are best prepared and used immediately
Low infection level	Insufficient virus usage	Increase virus usage
Animals with inflammatory reactions or death	Excessive virus usage High dosage of enhancing reagents	Reduce virus usage Properly reduce the number of enhancing reagents

Other related reagents

TR3041: Retroviral infection enhancing reagent.

TR3012: Chronic virus infection enhancement reagent.

TR3003: Adenovirus infection enhancing reagent.

TR3011: Adenovirus infection enhancing reagent.