

## **Certificate of Analysis**

**Product Name** 

Lentiviral Vector (Lentivirus)

Batch Number

R2332-VVPD-230814-100

Specification

0.1ml/Vial x 10 Vials

Production date

2023-08-14

Storage Condition

Store at -80°C

**Expiration Date** 

2024-08-13

Storage Buffer

Virus formulated in X-vivo15+2%SR

The product is functionally tested for optimum performance using the following tests:

## Titer Determination

The titer was determined by "p24 ELISA" method. p24 antigen was captured by anti-p24 coated microtiter wells and sandwiched with biotinylated secondary anti-p24 antibody. Subsequently, a streptavidin-HRP conjugate and a substrate were added to produce visible color in the solution. Color intensity was measured spectrophotometrically to indicate the level of p24 in the sample. The transduction titer of the sample was approximate calculated according to the formula 1 ng P24= 1.25E +07 LPs=1.25E +05 TU.

Specification: >1E+9 TU/ml

Result: 7.82E+8 TU/ml

**Transduction Test** 

HEK293 cells were infected with viral samples, and visualized under fluorescent microscope.

Specification: Positive

Result: Pass

Endotoxin

Endotoxin was determined by LAL

Specification: <10 EU/ml

Result: < 2EU/ml

## **Sterility Test**

Bacteria and fungi were detected by rapid sterility test. The virus sample was inoculated into a culture medium 5 days and detected by BD BACTEC FX40 to detect bacterial and fungal growth.

Specification: Negative

Result: Pass

## Mycoplasma Test

Through a DNA extraction kit, the mycoplasma DNA in the sample was purified, and the sample was amplified and detected by the qPCR method. Whether there was mycoplasma contamination in the sample was determined by gPCR.

Specification: Negative

Result: Pass

Reporter

Date

Reviewer

Date

Auditor

检验专用道

Date