

## Lenti-X™ p24 Rapid Titer Kit

**Catalog No(s).**  
632200

**Amount**  
96 rxns

**Lot Number**  
Specified on product label.

### Description

The Lenti-X p24 Rapid Titer Kit allows you to quickly determine the titer of any HIV-1-based lentiviral vector supernatant using a standard ELISA. The wells of the included microtiter plate (12 x 8-well strips) are coated with anti-HIV-1 p24 capture antibody, which binds the p24 (an HIV-1 core protein) in your test samples. Specifically-bound p24 is detected in a typical “sandwich” ELISA format using a biotinylated anti-p24 secondary antibody, a streptavidin-HRP conjugate, and a color producing substrate. Color intensity is measured spectrophotometrically to indicate the level of p24 in the samples, which is then quantified against a p24 standard curve in order to titrate the viral content.

### Package Contents

- 1 each Anti-p24 Coated Plate (96 wells)
- 100 µl p24 Control (10 ng/ml)
- 6 ml Lysis Buffer
- 12 ml Anti-p24 (Biotin Conjugate)
- 12 ml Streptavidin HRP
- 120 ml Wash Buffer (20X)
- 12 ml TMB Substrate
- 12 ml Stop Solution

**NOTE:** Lysis Buffer and Wash Buffer (20X) no longer include a blue dye that was added to these reagents in previous lots of the Lenti-X p24 Rapid Titer Kit. This update was confirmed to have no impact on performance of the kit.

### Storage Conditions

- Store at 4°C

### Shelf Life

- Specified on product label.

### Shipping Conditions

- Blue ice (4°C)

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)  
The following documents apply to this product:

- Lenti-X p24 Rapid Titer Kit User Manual
- Lenti-X p24 Rapid Titer Kit Protocol-at-a-Glance

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#### Takara Bio USA, Inc.

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# Certificate of Analysis

Cat. No. 632200

Lenti-X p24 Rapid Titer Kit

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## Quality Control Data

All components in the kit were tested in the ELISA. A 100 pg/ml standard produced an OD >0.60, and a culture medium negative control produced an OD <0.10. Four strongly reactive standards were serially diluted twofold and assayed. The results were compared to the expected values using standard linear regression, and the R<sup>2</sup> values obtained ranged from 0.990 to 0.999.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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