



**H3 - Pseudovirus (Luciferase)
A/Hong Kong/1/1968 (H3N2)
Lot #070324**



Quality control report

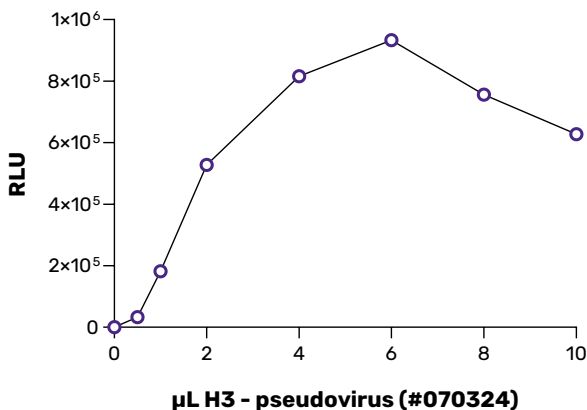
1. Summary

The lot number #070324 is a lentivirus-based pseudovirus pseudotyped with the HA protein of the A/Hong Kong/1/1968 (H3N2) variant. This quality control report demonstrates that the lot #070324 is efficient for cell transduction.

2. Transduction efficiency assay

| | |
|------------------------------|--|
| Target cells | HEK293-T cells |
| Volume of pseudovirus | 0 - 0.5 - 1 - 2 - 4 - 6 - 8 - 10 μL /well |
| Detection signal | Luminescence (firefly luciferase) |
| Detection method | Microplate reader |

Full curve of transduction



Titration curve

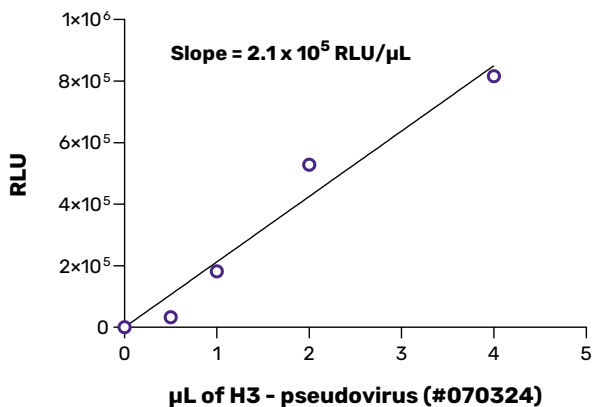


Figure 1: Transduction efficiency curve

A volume range of pseudoviruses was mixed in a final volume of 50 μL of culture complete medium, in a 96-well plate. Then, an additional 50 μL containing 10 000 HEK293-T cells was seeded in each well. Luc expression analysis was performed between 48-72 hours post-infection by a luminescence microplate reader.

Conclusion The H3 pseudovirus (#070324) can transduce the target cells. This batch titer is : 2.1×10^5 RLU/ μL . Due to the high transduction efficiency of this batch, we recommend using less than 6 μL of pseudovirus to avoid cell toxicity.

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3. Additional information

| | |
|-----------------------------|---|
| Caution | We recommend determining the optimal pseudovirus volume to use according to your specific experimental conditions. |
| Pseudovirus | Replication incompetent. Handling in a BSL-2 laboratory. |
| Pseudotyping | Influenza hemagglutinin H3 from the 1968 outbreak in Hong Kong (GENBANK: AAK51719.1). |
| Glycosylation origin | Human. |
| Reporter protein | Firefly luciferase. |
| Storage | - 80 °C, avoid freeze/thaw cycles. |
| For more information | mathias.mangion@ivanobioscience.com Message object should contain: "#070324". |
| Intended use | For Research Use Only. Not for Use in Diagnostic Procedures. Not Meant for Resale. |