



**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

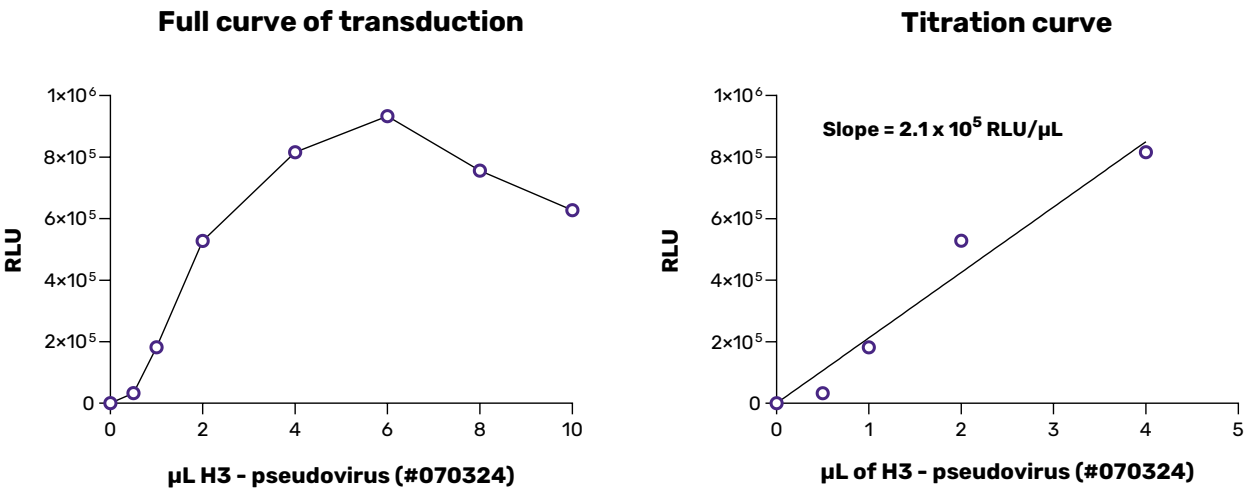


Figure 1: Transduction efficiency curve

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 :  $2.1 \times 10^5$  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

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