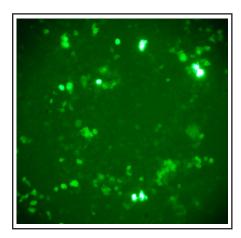


## Certificate of Analysis

Lenti-III-mir-GFP Control Virus
m002
VH7953
2 x 50 µl
GFP
2.24 x 10 <sup>7</sup> IU/ml
293T Cells (Cat no. LV010)

## **Specifications**

	Test Method	Minimum	Results
Viral Titer	qRT-PCR	1.0 x 10 <sup>7</sup> IU/ml	2.24 x 10 <sup>7</sup> IU/ml
Transduction Efficiency	Fluorescence Evaluation	>60%	80%
Sterility Test	Direct Culture	***	Not detected



Transduction Duration: 72 Hours MOI: 10 Multiplicity of Infection (MOI) Calculation Method: MOI = <u>Product Titer x Infection Sample Volume</u> X 1 Final Volume

Total Cell Number

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.

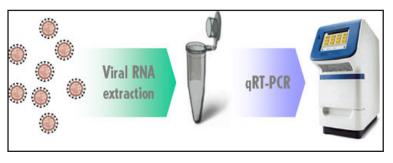
> No. 8, 13520 Crestwood Place Richmond BC, Canada V6V 2G2 T e l : 6 0 4 - 2 4 7 - 2 4 1 6 F a x : 6 0 4 - 2 4 7 - 2 4 1 4  $w\ w\ w\ .\ a\ b\ m\ G\ o\ o\ d\ .\ c\ o\ m$

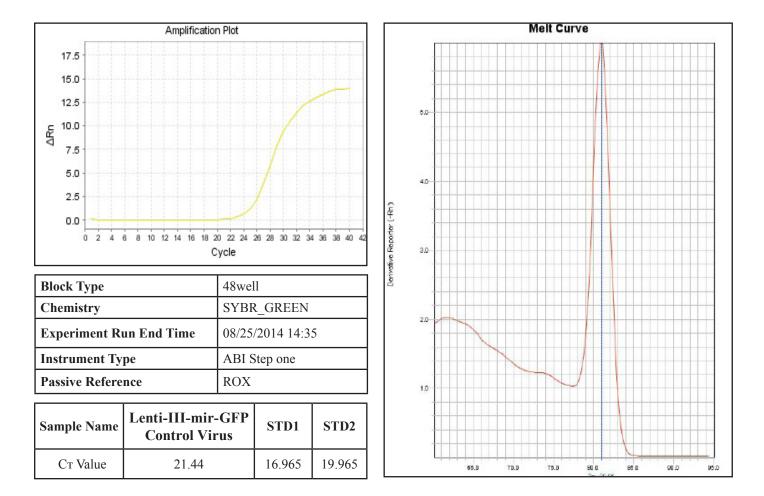


## Lentivirus qRT-PCR titer Report

Cat. No. m002 Lenti-III-mir-GFP Control Virus (08/25/2014)

Viral RNA was extracted from lentivirus and cDNA was generated from RT. The viral RNA samples (diluted 10 folds) and the lentiviral RNA STD1 and STD2 are subjected to qRT-PCR to determine threshold cycle (Ct) values. Real-time PCR was processed using lentivirus specific primers. With Ct values, the titers of lentivirus were determined by our lenti-titer calculator.





## Titer of Lenti-III-mir-GFP Control Virus = $[5x10^7/2^{3(Ctx-Ct1)/(Ct2-Ct1)}]x10 =$ 2.24 x 10<sup>7</sup> IU/ml

Ctx: Ct value of sample, Ct1: Ct value of STD1, Ct2: Ct value of STD2 (Note: the titer equation was multiplied by 10 to account for the dilution of the lentivirus sample)