



## Certificate of Analysis

### Product Description

Product Name	$\beta$ -Gal Control Lentivirus
Cat Number	LV007
Lot Number	KH8146
Quantity	1 x 10ml
Viral Titer	$1.18 \times 10^6$ IU/ml
QC Evaluation Cell Line	293T Cells (Cat no. LV010)

### Specifications

	Test Method	Minimum	Results
Viral Titer	qRT-PCR	$1.0 \times 10^6$ IU/ml	$1.18 \times 10^6$ IU/ml
Sterility Test	Direct Culture	***	Not detected

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 V6V2G2  
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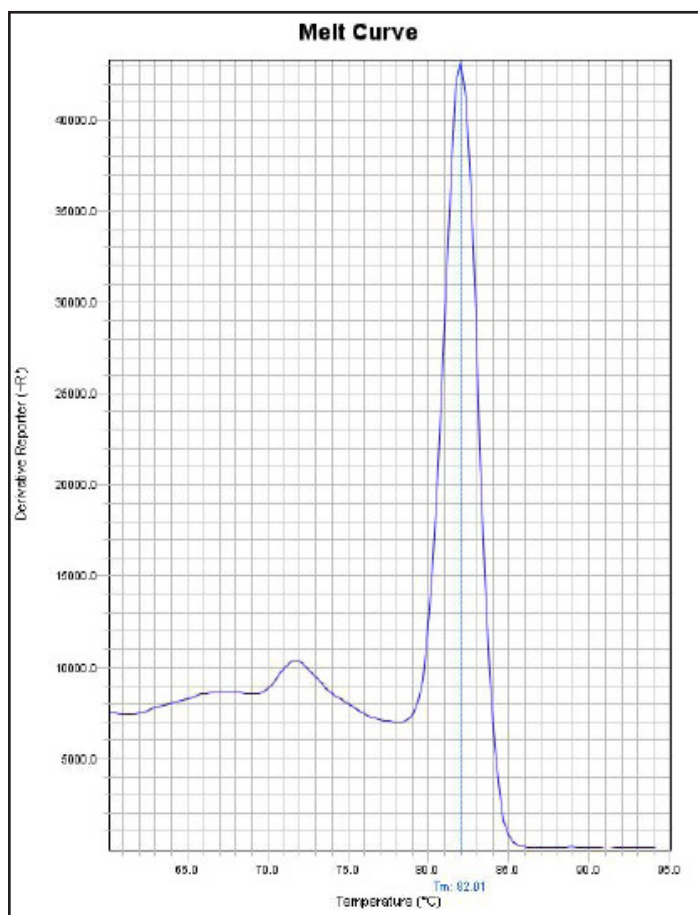
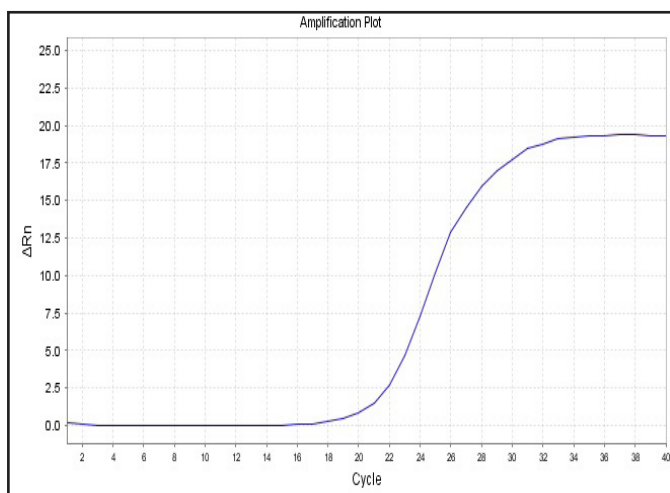
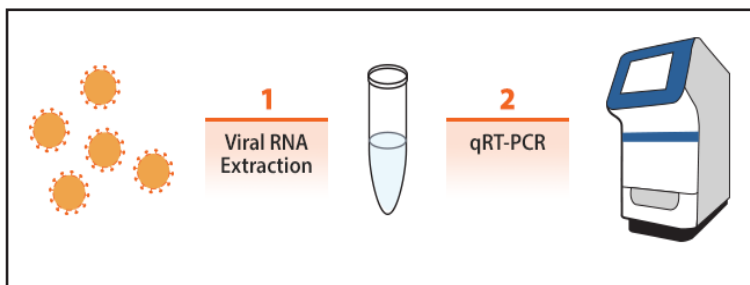
# Lentivirus qRT-PCR titer Report

Cat No.LV007

**β-Gal Control Lentivirus**

( 01/11/2016 )

Viral RNA was extracted from lentivirus and cDNA was generated from RT. The viral RNA samples 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.



<b>Block Type</b>	48well
<b>Chemistry</b>	SYBR_GREEN
<b>Experiment Run End Time</b>	01/11/2016 14:35
<b>Instrument Type</b>	ABI Step one
<b>Passive Reference</b>	ROX

Sample Name	β-Gal Control Lentivirus	STD1	STD2
Ct Value	22.80	16.52	19.63

$$\text{Titer of } \beta\text{-Gal Control Lentivirus} = [5 \times 10^7 / 2^{3(C_{tx} - C_{t1}) / (C_{t2} - C_{t1})}] = 7.50 \times 10^6 \text{ IU/ml}$$

Ctx: Ct value of sample, Ct1: Ct value of STD1, Ct2: Ct value of STD2