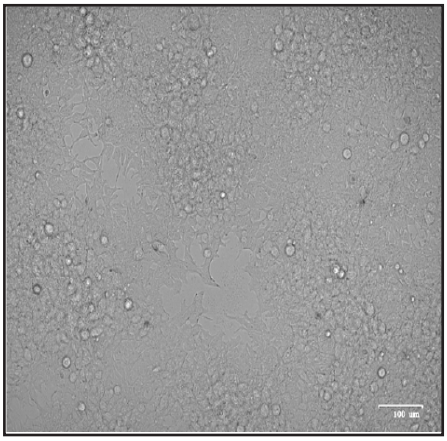
Certificate of Analysis

Product Description

Product Name	Lenti-SV40T Lentivirus
Cat Number	G256
Lot Number	KH8149
Quantity	1 x 10 ml
Viral Titer	2.96 x 10^8 IU/ml
QC Evaluation Cell Line	293T Cells (Cat no. LV010)

Specifications

	Test Method	Minimum	Results
Viral Titer	qRT-PCR	1.0 x 10^6 IU/ml	2.96 x 10^8 IU/ml
Sterility Test	Direct Culture	***	Not detected



Transduction Duration: 72 Hours

MOI: 5.92

Multiplicity of Infection (MOI) Calculation Method:

$$\text{MOI} = \frac{\text{Product Titer (IU/ml)} \times \text{Virus Volume (ml)}}{\text{Total Cell Number}}$$

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.

1-3671 Viking Way,
Richmond, BC. Canada V6V2J5
Tel: 604-247-2416
Fax: 604-247-2414
www.abmGood.com

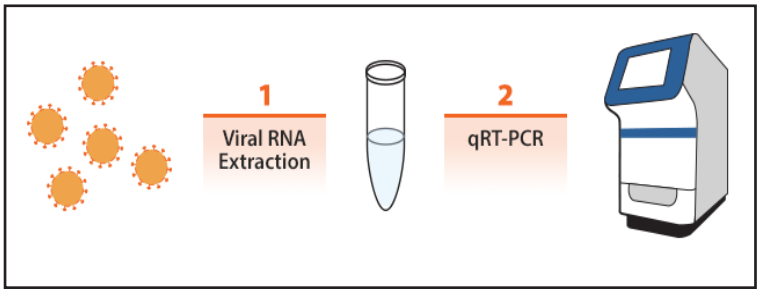
Lentivirus qRT-PCR Titer Report

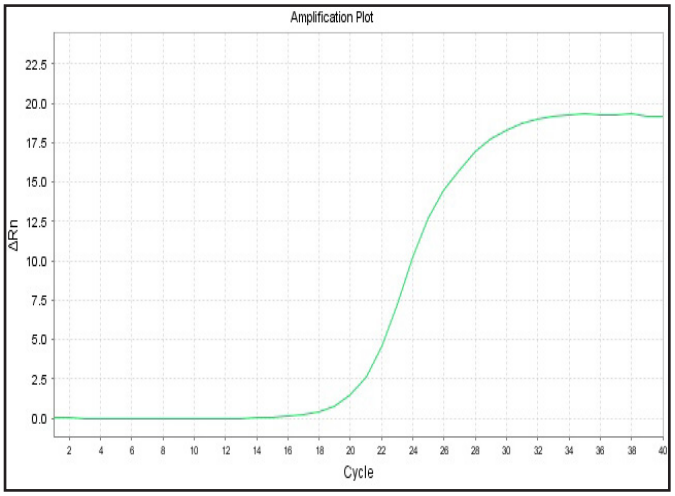
Cat No. G256

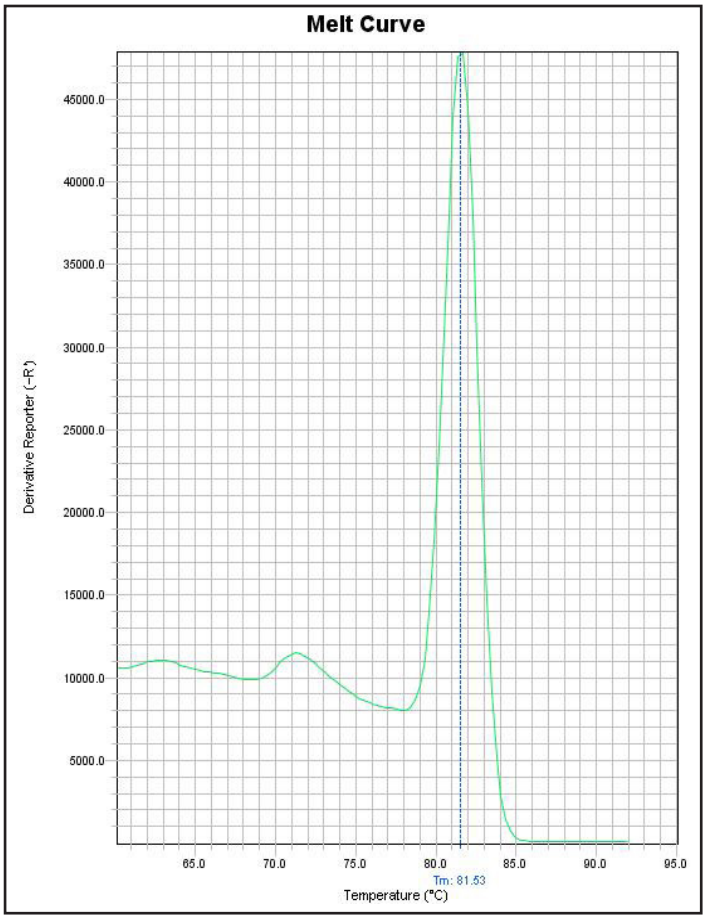
Lenti-SV40T Lentivirus

(04/20/2016)

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.







Block Type	48well
Chemistry	SYBR_GREEN
Experiment Run End Time	04/19/2016 13:20
Instrument Type	ABI Step one
Passive Reference	ROX

Sample Name	**Lenti-SV40T Lentivirus**	**STD1**	**STD2**
CT Value	19.39	15.11	18.47

Titer of **Lenti-SV40T Lentivirus** =

$[5x10^7/2^{3(Ctx-Ct1)/(Ct2-Ct1)}] \times 10 =$ **2.96×10^8 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)