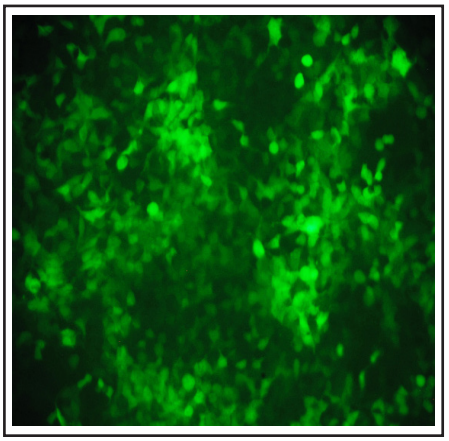
Certificate of Analysis

Product Description

Product Name	si-Scrambled siRNA Lentivirus
Cat Number	iV000238c
Lot Number	VH7957
Quantity	2 x 200 µl
Fluorescence Tag	GFP
Viral Titer	2.01 x 10^7 IU/ml
QC Evaluation Cell Line	293T Cells (Cat no. LV010)

Specifications

	Test Method	Minimum	Results
Viral Titer	qRT-PCR	1.0 x 10^7 IU/ml	2.01 x 10^7 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:

$$\text{MOI} = \frac{\text{Product Titer x Infection Sample Volume}}{\text{Final Volume}} \times \frac{1}{\text{Total Cell Number}}$$

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.

No. 8, 13520 Crestwood Place
Richmond BC, Canada V6V 2G2
Tel: 604-247-2416
Fax: 604-247-2414
www.abmGood.com

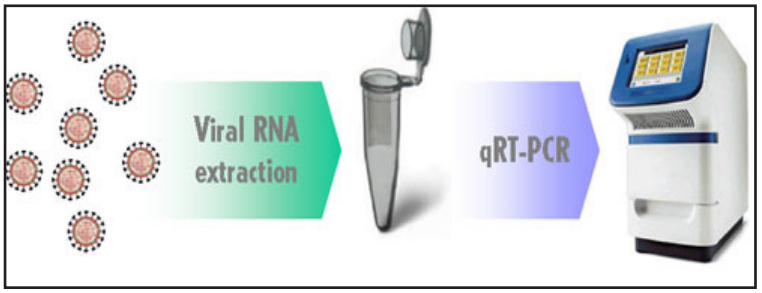
Lentivirus qRT-PCR titer Report

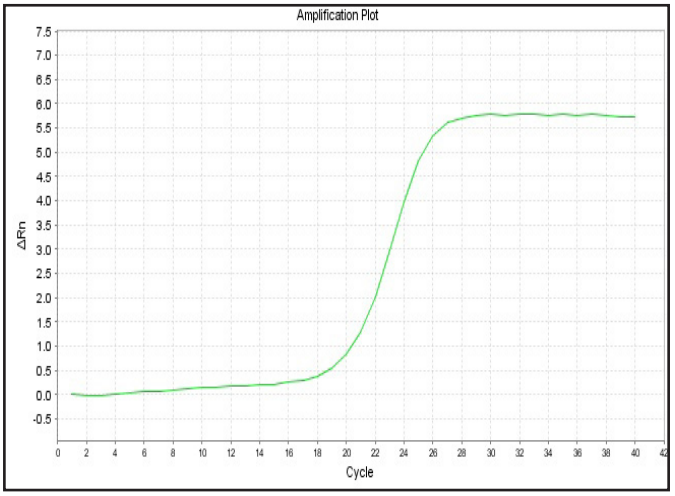
Cat No. iV000238c

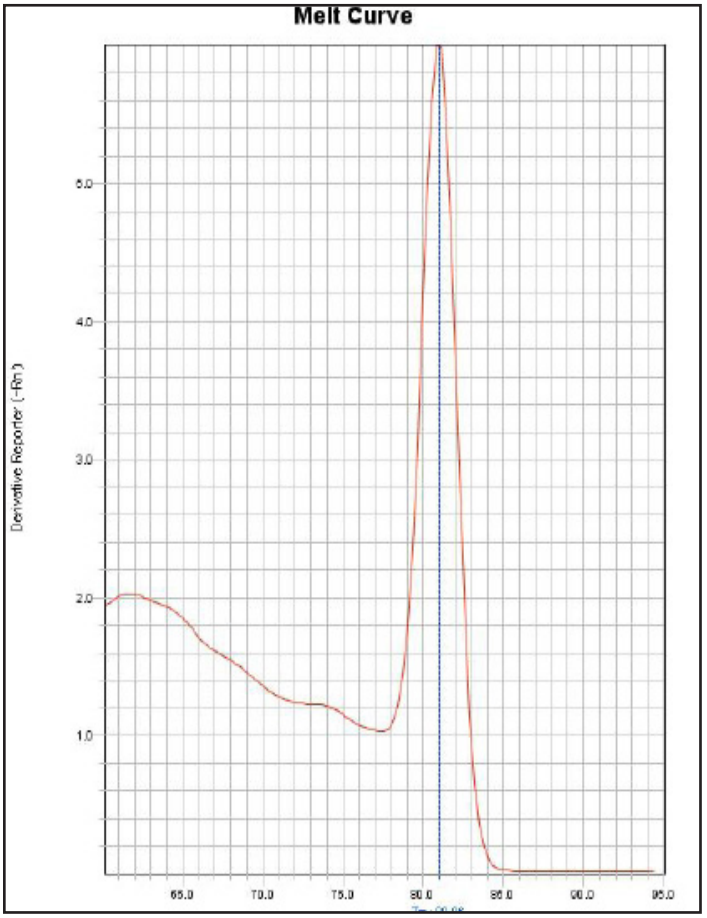
si-Scrambled siRNA Lentivirus

(12/01/2014)

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.







Block Type	48well
Chemistry	SYBR_GREEN
Experiment Run End Time	12/01/2014 12:35
Instrument Type	ABI Step one
Passive Reference	ROX

Sample Name	**si-Scrambled siRNA Lentivirus**	**STD1**	**STD2**
Ct Value	20.18	16.61	18.92

Titer of **si-Scrambled siRNA Lentivirus** = $[5x10^7/2^{3(Ctx-Ct1)/(Ct2-Ct1)}]x10$ =

2.01×10^7 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)