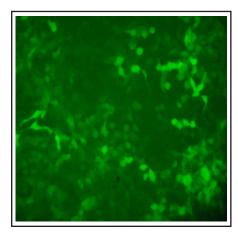


## Certificate of Analysis

Product Description	
Product Name	Lenti-III-mir-Off Control Virus
Cat Number	m008
Lot Number	VH7957
Quantity	2 x 50 μl
Fluorescence Tag	GFP
Viral Titer	1.53 x 10 <sup>7</sup> IU/ml
QC Evaluation Cell Line	293T Cells (Cat no. LV010)

## Specifications

	Test Method	Minimum	Results
Viral Titer	qRT-PCR	1.0 x 10 <sup>7</sup> IU/ml	1.53 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 <u>1</u> 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.

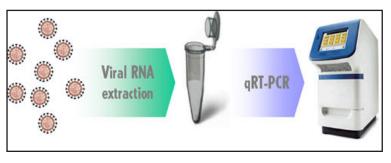
> No. 8, 13520 Crestwood Place Richmond BC, Canada V6V2G2 T e l : 6 0 4 - 2 4 7 - 2 4 1 6 F a x : 6 0 4 - 2 4 7 - 2 4 1 4 w w w . a b m G o o d . c o m

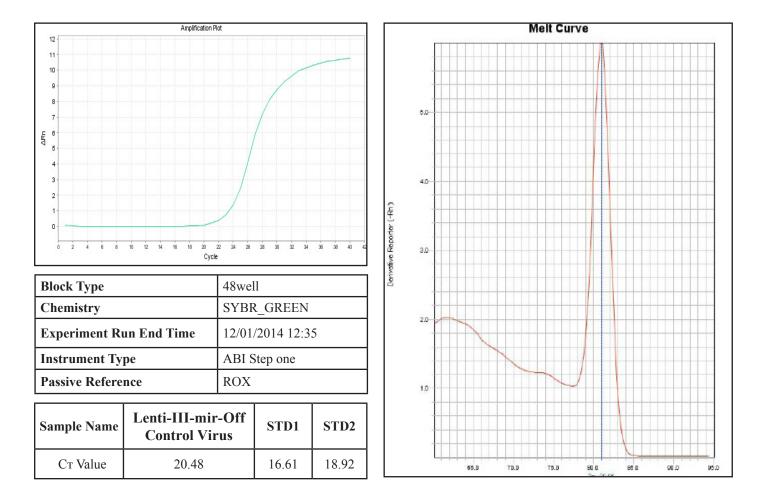


## Lentivirus qRT-PCR titer Report

Cat No. m008 Lenti-III-mir-Off Control Virus (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.





## Titer of Lenti-III-mir-Off Control Virus = $[5x10^7/2^{3(Ctx-Ct1)/(Ct2-Ct1)}]x10 =$ 1.53 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)