

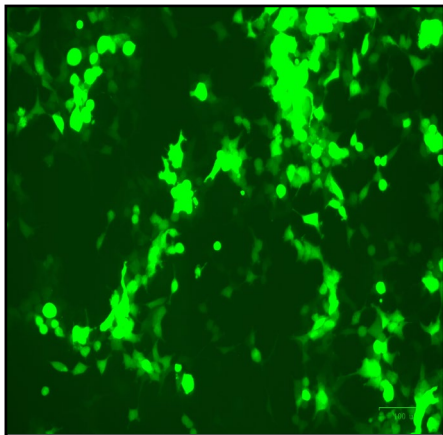
Certificate of Analysis

Product Description

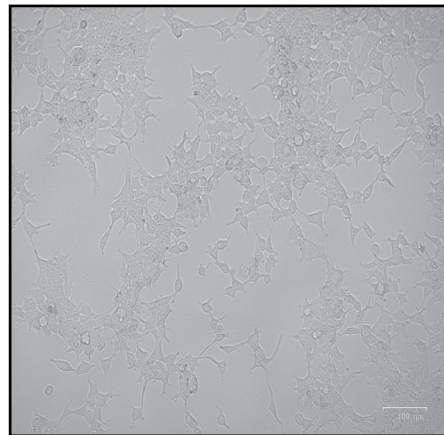
Product Name	Lenti-CMV-GFP-2A-Puro-Blank Lentivirus
Cat Number	LVP690
Lot Number	KL8150
Quantity	1 x 200 µl
Fluorescence Tag	GFP
Viral Titer	8.27 x 10 ⁸ IU/ml
QC Evaluation Cell Line	293T Cells (Cat no. LV010)

Specifications

	Test Method	Minimum	Results
Viral Titer	qRT-PCR	1.0 x 10 ⁷ IU/ml	8.27 x 10 ⁸ IU/ml
Transduction Signal	Fluorescence Evaluation	***	Positive
Sterility Test	Direct Culture	***	Not detected



Fluorescent Tag: GFP



Brightfield Image

Transduction Duration: 72 Hours

MOI: 16.54

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
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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

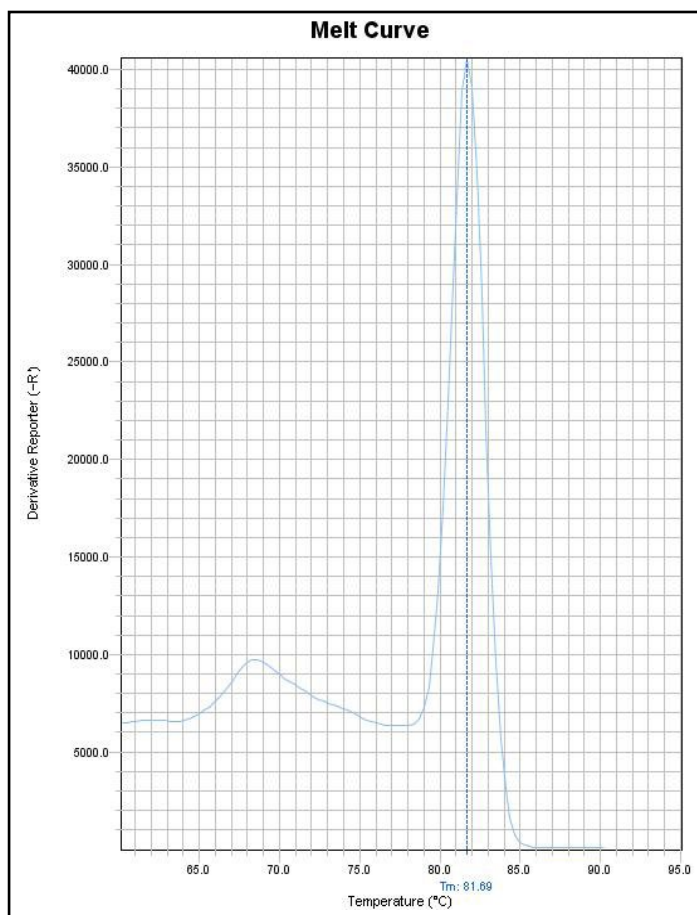
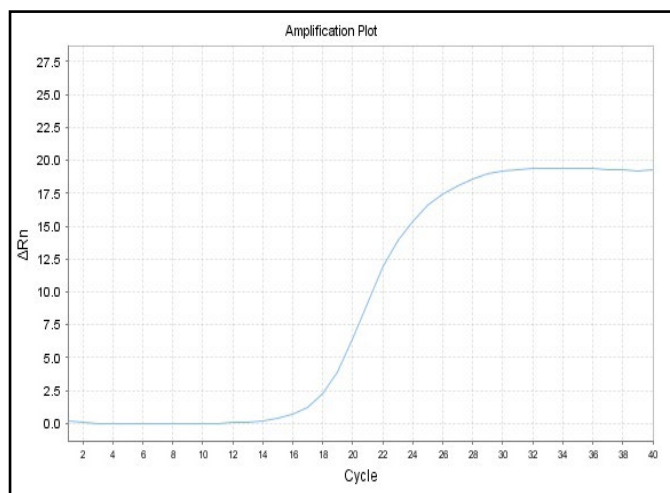
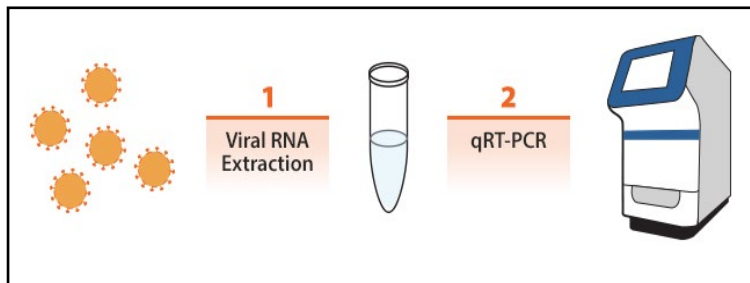
Lentivirus qRT-PCR Titer Report

Cat No. LVP690

Lenti-CMV-GFP-2A-Puro-Blank Lentivirus

(05/17/2016)

Viral RNA was extracted from lentivirus and cDNA was generated from RT. The viral RNA samples (diluted 100 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	05/17/2016 13:20
Instrument Type	ABI Step one
Passive Reference	ROX

Sample Name	Lenti-CMV-GFP-2A-Puro-Blank Lentivirus	STD1	STD2
Ct Value	18.11	15.23	18.56

Titer of Lenti-CMV-GFP-2A-Puro-Blank Lentivirus =

$$\left[5 \times 10^7 / 2^{3(Ct_x - Ct_1) / (Ct_2 - Ct_1)} \right] \times 100 = 8.27 \times 10^8 \text{ IU/ml}$$

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

(Note: the titer equation was multiplied by 100 to account for the dilution of the lentivirus sample)