



Certificate of Analysis

Product Description

Product Name	CMV Promoter Oct4 Lentivirus
Cat Number	G326
Lot Number	AT7947
Quantity	1 x 200 µl
Viral Titer	2.91 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	2.91 x 10 ⁷ 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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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

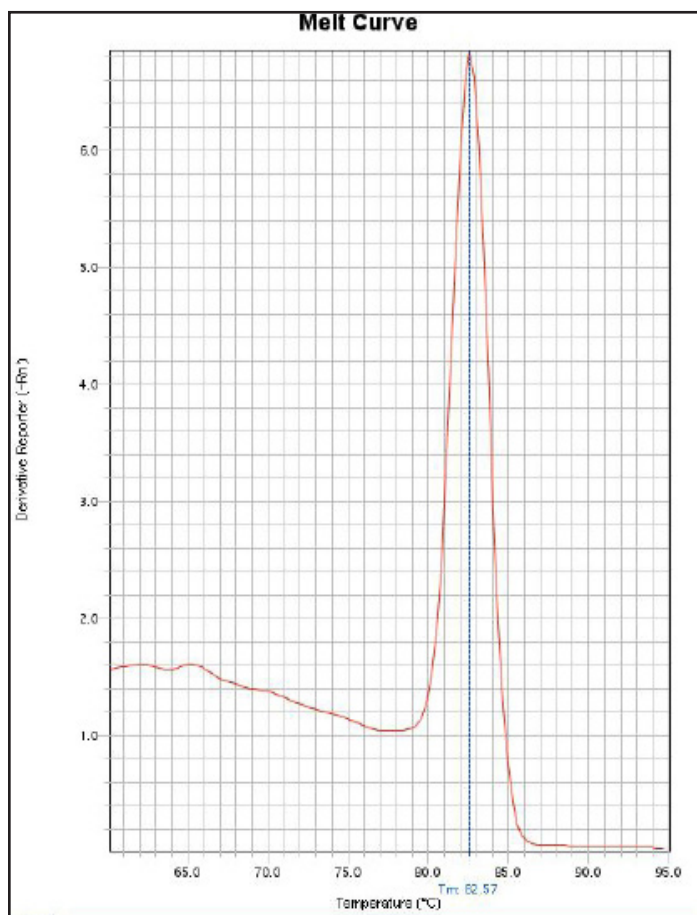
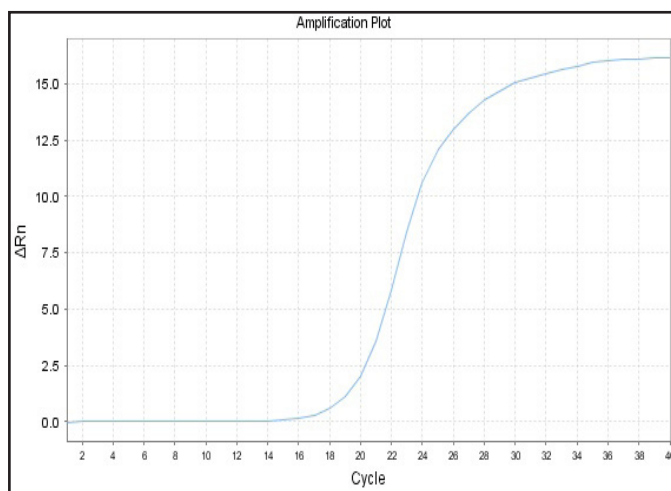
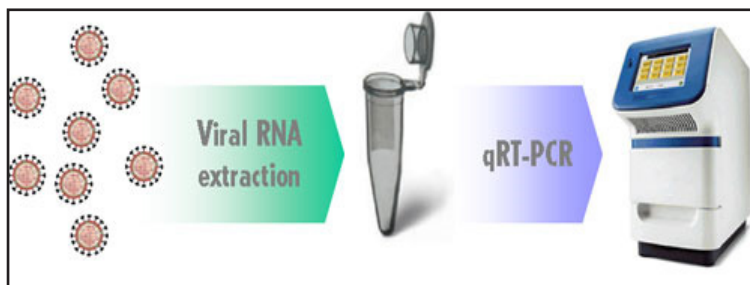
Lentivirus qRT-PCR titer Report

Cat No. G326

CMV Promoter Oct4 Lentivirus

(03/10/2014)

Viral RNA was extracted from lentivirus and cDNA was generated from RT. The viral RNA samples (diluted 10 fold) 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	03/10/2014 4:39
Instrument Type	ABI Step one
Passive Reference	ROX

Sample Name	CMV Promoter Oct4 Lentivirus	STD1	STD2
Ct Value	19.51	15.18	18.34

$$\text{Titer of CMV Promoter Oct4 Lentivirus} = [5 \times 10^7 / 2^{3(C_{tx} - C_{t1}) / (C_{t2} - C_{t1})}] \times 10 = 2.91 \times 10^7 \text{ IU/ml}$$

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

(Note: the titer equation was multiplied by 10 to account for the dilution of the lentivirus sample)