

**Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Forward Primer**

**Catalog No. NR-9348**

**Product Description:** NR-9348 pairs with NR-9349 to amplify a sequence of approximately 190 nucleotides from the monkeypox virus hemagglutinin (HA) gene.

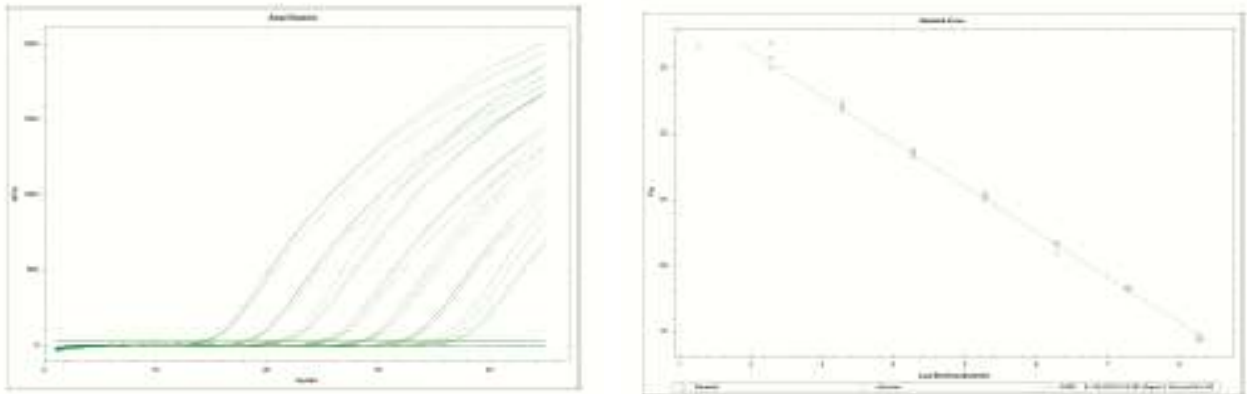
**Lot: 61694554**

**Manufacturing Date: 04JUN2013**

TEST	SPECIFICATIONS	RESULTS
<b>Quantitative PCR – Representative Standard Curve<sup>1</sup> (Figure 1)</b>		
Correlation coefficient	~0.98	~0.992
PCR efficiency	90% to 105%	95.5%
Dilution separations (C <sub>t</sub> values)	~ 3.3 cycles	~3.4 cycles
Quantitative sensitivity	Report results	~ 50 molecules per reaction
<b>Content (OD<sub>260</sub>)</b>	Report results	0.200
<b>Content (µg)</b>	Report results	6.1
<b>Content (pmol)</b>	Report results	1000
<b>Concentration (µM)</b>	Report results	10

<sup>1</sup>BEI Resources NR-4076 (Plasmid Containing Hemagglutinin Gene from Monkeypox Virus, Zaire 79, Linearized) was used as the template, BEI Resources NR-9349 as the reverse primer and BEI Resources NR-9347 as the probe.

**Figure 1**



Representative standard curve obtained following the procedure in Appendix I of the Certificate of Analysis for NR-9351, Lot 61823487 and using the following reagents:

BEI Resources NR-4076, Lot 61694558 (Plasmid Containing Hemagglutinin Gene from Monkeypox Virus Zaire 79, Linearized)

BEI Resources NR-9347, Lot 61694551 (Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Probe)

BEI Resources NR-9348, Lot 61694554 (Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Forward Primer)

BEI Resources NR-9349, Lot 61694556 (Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Reverse Primer)

## Certificate of Analysis for NR-9348

**Date:** 07 NOV 2013

**Signature:** *Dorothy C. Young*

**Title:** Technical Manager, BEI Authentication or designee

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