

Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Reverse Primer

Catalog No. NR-9349

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

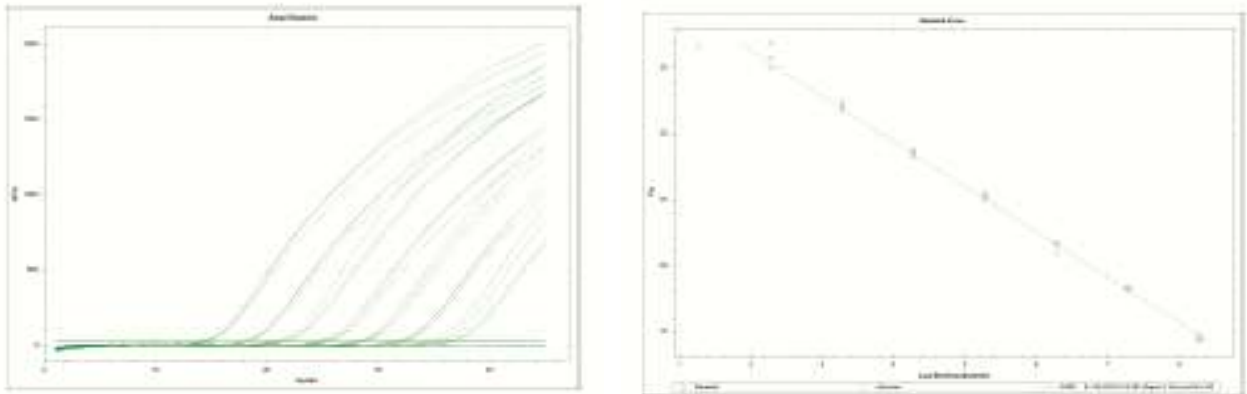
Lot: 61694556

Manufacturing Date: 04JUN2013

TEST	SPECIFICATIONS	RESULTS
Quantitative PCR – Representative Standard Curve¹ (Figure 1)		
Correlation coefficient	~0.98	~0.992
PCR efficiency	90% to 105%	95.5%
Dilution separations (C _t values)	~ 3.3 cycles	~3.4 cycles
Quantitative sensitivity	Report results	~ 50 molecules per reaction
Content (OD₂₆₀)	Report results	0.190
Content (µg)	Report results	6.2
Content (pmol)	Report results	1000
Concentration (µM)	Report results	10

¹BEI 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-9349

Date: 07 NOV 2013

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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