

Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Probe

Catalog No. NR-9347

This reagent is the tangible property of the U.S. Government.

Product Description: NR-9347 was designed to be used with forward and reverse primers (NR-9348 and NR-9349) for quantitative PCR of the monkeypox virus hemagglutinin gene. NR-9347 contains 6-carboxyfluorescein (6-FAM) at the 5' end and both a minor groove binder (MGB) and a non-fluorescent quenching dye at the 3' end.

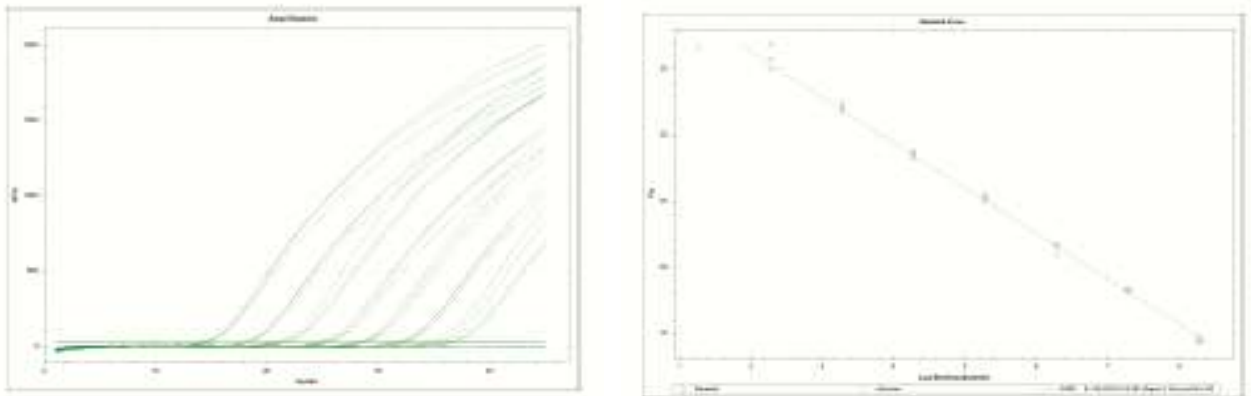
Lot: 61694551

Manufacturing Date: 04JUN2013

TEST	SPECIFICATIONS	RESULTS
Quantitative PCR – Representative Standard Curve¹ (Figure 1) Correlation coefficient PCR efficiency Dilution separations (C _t values) Quantitative sensitivity	~0.98 90% to 105% ~ 3.3 cycles Report results	~0.992 95.5% ~3.4 cycles ~ 50 molecules per reaction
Content (pmol)	Report results	500
Concentration (µM)	Report results	5

¹BEI Resources NR-4076 (Plasmid Containing Hemagglutinin Gene from Monkeypox Virus, Zaire 79, Linearized) was used as the template, BEI Resources NR-9348 as the forward primer and BEI Resources NR-9349 as the reverse primer.

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-9347

Date: 07 NOV 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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