

Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Probe

Catalog No. NR-9347

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.

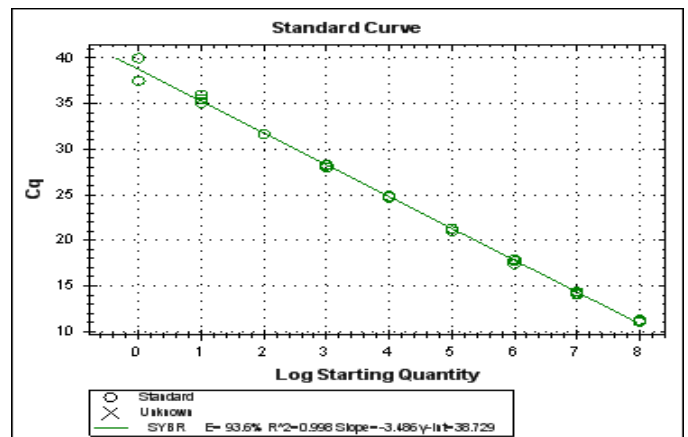
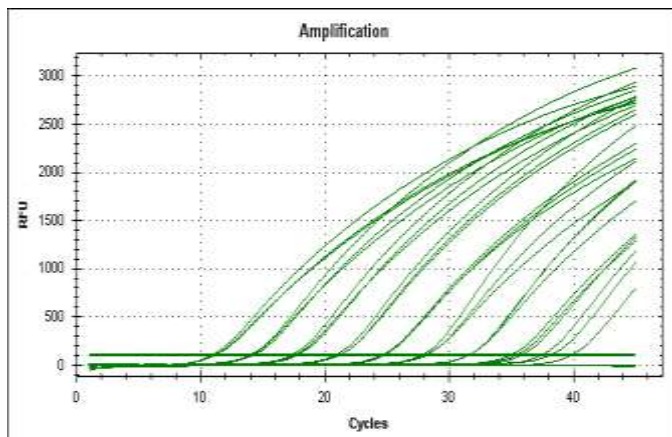
Lot: 60229973

Manufacturing Date: 03AUG2011

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	~0.998 93.6% ~3.5 cycles Pending
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 template, BEI Resources NR-9348 as the forward primer and BEI Resources NR-9349 as the reverse primer.

Figure 1



Representative standard curve obtained with:
 BEI Resources NR-4076, Lot 7662479 (Plasmid Containing Hemagglutinin Gene from Monkeypox Virus Zaire 79, Linearized)
 BEI Resources NR-9347, Lot 60229973 (Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Probe)
 BEI Resources NR-9348, Lot 60229999 (Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Forward Primer)
 BEI Resources NR-9349, Lot 60230000 (Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Reverse Primer)

Date: 21 DEC 2011

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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