

## Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Probe

Catalog No. NR-9347

**For research use only. Not for human use.**

### Contributor:

BEI Resources

### Manufacturer:

Applied Biosystems

### 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 the minor groove binder (MGB) and a non-fluorescent quenching dye at the 3' end.

A Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Assay Detection Kit containing NR-9347 as well as forward and reverse primers and a plasmid-based standard is available from BEI Resources (NR-9351). The kit preferentially detects the HA gene of monkeypox virus over the HA genes of other orthopoxviruses and non-orthopoxviruses.

### Material Provided:

Each vial contains approximately 100 µL of probe in TE buffer (pH 7.0). The concentration and total probe content is shown on the Certificate of Analysis.

### Packaging/Storage:

NR-9347 was packaged aseptically in screw-capped plastic vials. The product is provided frozen on dry ice and should be stored at -60°C or colder upon arrival. Freeze-thaw cycles should be minimized. The 6-FAM probe is light sensitive and should be kept in the dark at all times.

### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monkeypox Virus Hemagglutinin Gene-Specific Quantitative PCR Probe, NR-9347."

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed.

Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

### Disclaimers:

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