

Certificate of Inactivation

Product: Genomic DNA from NR-60220, Monkeypox virus, isolate MPXV clade Ib_ USA_CA_2024

Labeled as: NR-60221

Lot No: 70079720

Prepared at: American Type Culture Collection (ATCC), Manassas, VA

Inactivation Method: Chemical inactivation, extraction with Guanidinium Thiocyanate (Qiagen)

Verification Method: Material evaluated by 2 x 2-week tissue culture growth test with frequent CPE evaluation for live virus followed by qPCR verification.

Dates of Verification Test: 05Dec2025 to 02Jan2026

Verified Volume: 10% of total volume produced (1870 uL) tested in triplicate

Verification Test Result: NEGATIVE (no growth detected from product of viable virus nor detectable nucleic material by qPCR)

Certifying Laboratory Official:

Manasi
Tamhankar

Digitally signed by
Manasi Tamhankar
Date: 2026.07.08
13:10:07 -04'00'

08JUL2026

Manasi A. Tamhankar,
Virology Team Lead, BEI Resources

Date