

AffiCHECK® Monkeypox Virus (MPXV) DNA PCR Qualitative Positive Control

AFG-CHK-0522

PRODUCT DESCRIPTION:

AffiCHECK® Monkeypox Virus (MPXV) DNA - PCR Qualitative Control is a high-quality, reliable standard containing known quantities of Monkeypox Virus (MPXV) DNA. It's designed using modified and non-infectious virus to ensure stability, thereby contributing to accurate and reliable results in PCR applications.

INTENDED USE:

AffiCHECK® Monkeypox Virus (MPXV) DNA - PCR Qualitative Control serves as a comprehensive process control for the evaluation of the performance of nucleic acid tests for determination of the presence of Monkeypox Virus (MPXV) nucleic acid. It's essential in validating the performance of PCR assays in clinical, research, and diagnostic settings.

PRODUCT FEATURES:

Specificity: Tailored for Monkeypox Virus (MPXV) DNA detection.

Formulation: Lyophilized for enhanced stability.

Convenience: Ready-to-use upon reconstitution.

Compatibility: Suitable for a wide range of PCR assays.

CHARACTERISTICS:

Cultivation & Extraction: Cultivated in Vero cells medium and extracted using a reliable genomic DNA method.

Quality Control: Subjected to rigorous testing to ensure batch consistency and reliability.

Packaging: Provided in a protective, heat-sealed foil pouch with silica gel.

PERFORMANCE CHARACTERISTICS:

Sensitivity: Optimized for high sensitivity in PCR detection.

Specificity: Exclusively detects Monkeypox Virus (MPXV) DNA.

Reproducibility: Consistent results across different test runs and batches.

PACK CONTENT :

Components	Pack Size	Note
DNA Control Lyophilized (1×10^4 to 2×10^4 Copies/ μ L)	1 Vial	Quantified by Real-Time PCR.
Buffer	500 μ L	Water, DNase, RNase Free.

PRECAUTIONS:

- For research use or diagnostic control purposes only.
- Follow standard laboratory practices and use PPE.
- Use [Sterile Filter Tips](#) to prevent contamination.
- Handle infectious specimens with precautions.
- Disinfect work surfaces.
- Maintain separate working areas for testing.
- Dispose of unused reagents and waste as per regulations.
- May contain genetic material, handle with care.
- No method ensures total absence of infectious agents.
- Follow local waste disposal rules.
- Dilute below 10^3 copies/ μ L immediately before use.
- Avoid freezing for low-copy dilutions to prevent DNA degradation.

INSTRUCTIONS FOR USE:

- Open the foil pouch of AffiCHECK® Monkeypox Virus (MPXV) DNA.
- Centrifuge AffiCHECK® Monkeypox Virus (MPXV) DNA Lyophilized Powder at 1000 g for 1 minute.
- Add 100 μ L of the Buffer and thoroughly mix until fully reconstituted.
- The concentration will be 1×10^4 to 2×10^4 Copies/ μ L once reconstituted.
- Vortex for 1 min for complete dissolution and homogenization.

RECOMMENDED STORAGE:

- Before Reconstitution: Store at 2-8°C.
- After Reconstitution: Store at -20°C.
- Shipping: No special instructions
- Shelf Life: 12 months from production date.

ORDERING INFORMATION :

Catalog Number	Description	Size
AFG-CHK-0522	AffiCHECK® Monkeypox Virus (MPXV) DNA PCR Qualitative Positive Control	1 vial + 500 μ L Buffer