

## AffiCHECK® BK Virus (BKV) DNA PCR Qualitative Positive Control

AFG-CHK-0451

### PRODUCT DESCRIPTION:

**AffiCHECK® BK Virus (BKV) DNA - PCR Qualitative Control** is a high-quality, reliable standard containing known quantities of BK Virus (BKV) 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® BK Virus (BKV) 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 BK Virus (BKV) nucleic acid. It's essential in validating the performance of PCR assays in clinical, research, and diagnostic settings.

### PRODUCT FEATURES:

Specificity: Tailored for BK Virus (BKV) 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 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 BK Virus (BKV) DNA.

Reproducibility: Consistent results across different test runs and batches.

**PACK CONTENT :**

Components	Pack Size	Note
<b>DNA Control Lyophilized</b> ( $1 \times 10^4$ to $2 \times 10^4$ Copies/ $\mu$ L)	1 Vial	Quantified by Real-Time PCR.
<b>Buffer</b>	500 $\mu$ 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/ $\mu$ L immediately before use.
- Avoid freezing for low-copy dilutions to prevent DNA degradation.

**INSTRUCTIONS FOR USE:**

- Open the foil pouch of AffiCHECK® BK Virus (BKV) DNA.
- Centrifuge AffiCHECK® BK Virus (BKV) DNA Lyophilized Powder at 1000 g for 1 minute.
- Add 100  $\mu$ L of the Buffer and thoroughly mix until fully reconstituted.
- The concentration will be  $1 \times 10^4$  to  $2 \times 10^4$  Copies/ $\mu$ 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-0451	AffiCHECK® BK Virus (BKV) DNA PCR Qualitative Positive Control	1 vial + 500 $\mu$ L Buffer