

AffiCHECK® Coronavirus NL63 RNA PCR Qualitative Positive Control

AFG-CHK-0468

PRODUCT DESCRIPTION:

AffiCHECK® Coronavirus NL63 RNA - PCR Qualitative Control is a high-quality, reliable standard containing known quantities of Coronavirus NL63 RNA. 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® Coronavirus NL63 RNA - 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 Coronavirus NL63 nucleic acid. It's essential in validating the performance of PCR assays in clinical, research, and diagnostic settings.

PRODUCT FEATURES:

Specificity: Tailored for Coronavirus NL63 RNA 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 LLC-MK2 cells and extracted using a reliable genomic RNA 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 Coronavirus NL63 RNA.

Reproducibility: Consistent results across different test runs and batches.

PACK CONTENT :

Components	Pack Size	Note
RNA Control Lyophilized (1.25x10 ⁴ to 2.00x10 ⁴ Copies/μL)	1 Vial	Quantified by Real-Time PCR.
Buffer	500 μL	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 10³ copies/μL immediately before use.
- Avoid freezing for low-copy dilutions to prevent RNA degradation.

INSTRUCTIONS FOR USE:

- Open the foil pouch of AffiCHECK® Coronavirus NL63 RNA.
- Centrifuge AffiCHECK® Coronavirus NL63 RNA Lyophilized Powder at 1000 g for 1 minute.
- Add 100 μL of the Buffer and thoroughly mix until fully reconstituted.
- The concentration will be 1.25x10⁴ to 2.00x10⁴ Copies/μL 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-0468	AffiCHECK® Coronavirus NL63 RNA PCR Qualitative Positive Control	1 vial + 500 μL Buffer