

VIASURE Viral Positive controls



VIASURE Viral SARS-CoV-2 Positive Controls are based on RNA particles from SARS-CoV-2 virus. These controls are intended for monitoring the whole process, from nucleic acid extraction to amplification.

- ▶ Inactivated viral particles. Non replicatives & non-infectious.



- Lyophilized presentation: transport and store at room temperature with a shelf life of 24 months.
- ▶ Monodose format for nucleic acid detection techniques.



▶ Compatible with most common RNA extraction methods and RT-PCR detection kits.

How do these controls help in your lab process?

- Monitor instrument performance.
- Improve the diagnosis process: nucleic acid extraction, amplification, and detection quality.
- Allows you to obtain comparable results between different assays and platforms.
- Validate and verify different assays complying with regulatory requirements.

Test procedure:



Reconstitution of the viral Positive Control



Nucleic acid extraction



Real-Time PCR

Result interpretation

Reagents provided:

Reagent/Material	Description	Amount
Viral Positive Control	Non-infectious lyophilized viral particle	4 vials
Viral Rehydration Buffer	Solution to reconstitute the lyophilized product	1 vial x 1mL
Viral Negative Control	Non template control	4 vials x 1mL





VIASURE Viral Positive Controls

Available kits:



VIASURE Viral SARS-CoV-2 Total Positive Control. VS-VP1SWT

RNA sequences are homologous to the SARS-CoV-2 strain Wuhan-Hu-1 (GenBank accession number: MN908947.3).

WHO ASSAYS VIASURE Viral SARS-CoV-2 Positive Control. VS-VP1NCO



Designed for monitoring the performance of all RT-gPCR assays recommended by the WHO. The RNA sequence is homologous to the isolate Wuhan-Hu-1 (GenBank accession number: MN908947.3).



Compatible with most common RNA extraction methods and WHO RT-qPCR protocols: China CDC, US CDC (USA), National Institute of Infectious Diseases (Japan), Charité (Germany), HKU (Hong Kong SAR) and National Institute of Health (Thailand).

ALPHA

VIASURE Viral SARS-CoV-2 alpha (B.1.1.7) Positive Control. VS-VP1SUK

Designed for monitoring the performance of all RT-qPCR assays whose target is alpha variant. RNA sequences are homologous to strain hCoV-19-Bangladesh-G039392-2021 (Gisaid: EPI_ ISL_890237; GenBank accession number: MW531680).

VIASURE Viral SARS-CoV-2 beta (B.1.351) Positive Control. VS-VP1SSA

Designed for monitoring the performance of all RT-qPCR assays whose target is beta variant. RNA sequences are homologous to strain hCoV-19-South Africa-KRISP-EC-K005299-2020 (Gisaid: EPI_ISL_678597).

GAMMA VIASURE Viral SARS-CoV-2 gamma (P.1) Positive Control. VS-VP1SBR

Designed for monitoring the performance of all RT-qPCR assays whose target is gamma variant. RNA sequences are homologous to the SARS-CoV-2 strain hCoV-19-Italy-ABR-IZSGC-TE30939-2021 (GenBank accession number: MW642248.1).

DELTA VIASURE Viral SARS-CoV-2 delta (B.1.617.2) Positive Control. VS-VP1SDL

Designed for monitoring the performance of all RT-qPCR assays whose target is delta variant. The RNA sequences are homologous to the SARS-CoV-2 strain SARS-CoV-2/human/JPN/SARS-CoV-2, B.1.617.2 lineage, Delta variant/2021 (GenBank accession number: OK091006.1).

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For more information and use procedure. read the instructions for use included in this product.