# VIASURE

## Complete Solution

**Molecular Diagnostic workflow for your lab**

CerTest BIOTEC

**VIASURE Complete Solution helps to achieve a better molecular diagnostic workflow.**

# Welcome to the VIASURE experience!

## Solutions for:

- Gastrointestinal infections
- Respiratory infections
- Antimicrobial resistance
- Tropical & Vector-Borne transmission diseases
- Sexual Health
- Immuno-supressed and Meningitis
- Non infectious diseases


## MOLECULAR DIAGNOSTICS

# VIASURE
## Complete Solution

SAMPLE

### Extraction kit p. 4

Quick and Automate RNA/DNA extraction kits.

### V-Flex p. 6

Nucleic acid extraction and PCR set-up.

### Real Time PCR Detection kits p. 8

Lyophilized product. Ready & Easy-to-use.

### V-Lab96 p. 17

Run your Real Time PCR.

### V-Smart p. 18

Automatic interpretation.

RESULT

Viral Particles

Check your full process.
p. 19

# VIASURE Resp. viruses Quick Lysis Reagent

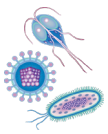
Quick

Designed to quickly process respiratory samples as nasopharyngeal and oropharyngeal swabs and saliva.

**Compatible with VIASURE Real Tome PCR Kits**, including SARS-CoV-2 detection kits. Very easy transport and storage, not freeze required.

- **Quick** sample processing (10 min).
- **Ready to use.** No specific equipment required.
- Compatible with **transport media** without guanidium salts.
- **High Specificity and Sensitivity.** Detection up to **5 copies**/qPCR reaction.
- **Compatible** with different biological matrices:
  - **Nasopharyngeal** and oropharyngeal swabs in transport medium.
  - **Saliva** without preservatives.

## Workflow:

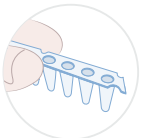


**1. Sample collection:**

- Nasopharyngeal and oropharyngeal swabs.
- Saliva without preservatives.

**2. Quick Lysis Reagent:**

1. Rehydrate VIASURE Quick Lysis Reagent.
2. Add the sample.
3. Incubate for 10 minutes at 100°C.



**3. Molecular diagnosis method:**

Add the supernatant to VIASURE products.

## References:

| Code | Description |
|---|---|
| VS-ERN0112 | VIASURE Resp. viruses Quick Lysis Reagent, 1x12 tubes, 12 prep. |
| VS-ERN0148 | VIASURE Resp. viruses Quick Lysis Reagent, 4x12 tubes, 48 prep. |

# VIASURE DNA/RNA Pathogen Extraction Kit

Extract from various biological samples: swabs, saliva, sputum, bronchoalveolar lavages, fecal and urine samples.

Based on magnetic particles, which allows its automation for high throughput analysis, reducing hands-on-time and improving reproducibility.

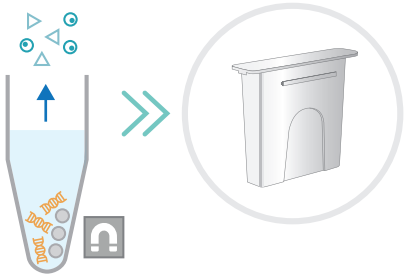
The extraction kit **has been optimized for two type of magnetic separation methods:** VIASURE V-Flex and KingFisher® Flex (other platforms ongoing).

Automate

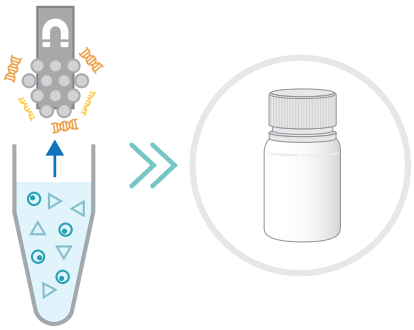
## Advantages:

- **Adaptable** for **high and low throughputs.**
- **Simultaneous processing of different** kind of clinical **samples.**
- **Simultaneous processing of various** potential infectious **diseases.**

## Formats:



V-Flex



Open Format

## Features:

| VIASURE DNA/RNA Pathogen Extraction Kit | |
|---|---|
| **Technology** | Magnetic beads |
| **Sample material** | Swabs, saliva, sputum, feces, and urine. Compatible with inactivating transport buffers including guanidine salts |
| **Sample/Elution volume** | 200 µl/ 100 µl |
| **Target molecules** | DNA and RNA |
| **Compatible platforms** | VIASURE V-Flex System and KingFisher ® Flex |
| **Formats** | VIASURE V-Flex System Cartridges (96 prep.) or Open Format bottles (96 prep.) |

# V-Flex

Automated solution for Molecular Biology.
Nucleic acid extraction and PCR set-up.

The **VIASURE V-FLEX system** is a new fully automated solution in molecular biology for nucleic acid extraction, purification and PCR set-up from biological matrix and samples.

The instrument has been designed with **flexible configuration**, in order to meet different user needs.

VIASURE V-Flex optimizes and improves users **walk away** experience.


**Fully automated** (Up to 96 samples) extraction and PCR set-up.

Flexible configuration for **different users and requirements**.

**Intuitive** - user friendly integrated Software.

Configure different **VIASURE PCR Kits** in one run.

**DNA/RNA purification** from a wide range of samples.

**Easy and fully** traceable sample handling.

**Full LIS Compatible** and integration

Exclusive designed for **minimum maintenance**.

V-Flex

# Features

| Power & Connectivity |
|---|
| · 100-240 VAC (± 10%) / 50/60 Hz |
| · USB-C |
| · LAN port (RJ45, Ethernet) |

| Dimension and Weight | 4 Channel arm | 8 Channel Arm |
|---|---|---|
| **Weight** | 145 kg | 151 kg |
| **Size** (L x W x H) | 782 x 1190 x 1094 mm | |

| Environmental conditions | |
|---|---|
| **Temperature *** | 15–32°C (59–90°F) |
| **Humidity *** | 30–80% relative (non-condensing) at 30°C (86°F) |
| **Altitude *** | 0–2000 m above sea level |
| **Transport temperature** | -20 to 60°C (-4 to 140°F) |
| **Transport humidity** | 20–80% relative (non-condensing) |
| **Storage temperature** | 1–60°C (34–140°F) |
| **Storage humidity** | 30–80% relative (non-condensing) at 30°C (86°F) |
| **Overvoltage category** | II |
| **Pollution degree** | 2 |

* Indoor only

| Instrument Integrated Modules | |
|---|---|
| **UVC Light** | UV-C emitting lamp for decontamination of the inside of the instrument housing and work deck. |
| **Loading ID** | Loading ID module includes up to six dedicated grid positions for loading and scanning the barcode labels |
| **Integrated computer & Touch Screen** | User interaction touch screen display. No need of extra laptop / PC. |
| **ThermoShaker** | Integrated Heating/Shaking device |

| Pipetting System | |
|---|---|
| **Volume Range** | 1 µl to 5000 µl |
| **Process Security** | cLLD (capacitive Liquid Level detection) |
| **Precision (CV)** | 1 µl: ≤ 5% \| 200 µl: ≤ 2% \| 1000 µl: ≤ 2% |

| Extra Options | |
|---|---|
| **HEPA filter unit (HEFU)** | Air flow can be adjusted to blow filtered air in the enclosure or extract air by passing the filter. |
| **Cooling Module** | Cooling blocks for microplates, tubes or reservoirs. |

**“Flexible configuration for different requirements.**

# VIASURE Real Time PCR Detection Kits

## Gastrointestinal infections

### 1. Multiplex

| Type | Reference | Description |
|---|---|---|
| Virus | NOR | Norovirus GI + GII |
| Bacteria | SCY | Salmonella, Campylobacter & Yersinia enterocolitica |
| | SCS | Salmonella, Campylobacter & Shigella/EIEC |
| | CLJ | Campylobacter coli, C. lari & C. jejuni |
| | AEY | Aeromonas + Yersinia enterocolitica |
| | ESE | E. coli ETEC + EIEC |
| | EEE | E. coli EHEC, EPEC & EIEC |
| | ECT | E. coli typing (2 wells): (E. coli ETEC + EIEC) + (E. coli EHEC, EPEC & EIEC) |
| | CLA | H. pylori + Clarithromycin resistance |
| | CDA | Clostridium difficile toxins A+B |
| Parasites | KGE | Cryptosporidium, Giardia & E. histolytica |
| | BLD | Blastocystis hominis + Dientamoeba fragilis |

### 2. Monoplex

| Type | Reference | Description |
|---|---|---|
| Virus | ADV | Adenovirus |
| | ATV | Astrovirus |
| | NOG | Norovirus GI |
| | NOP | Norovirus GII |
| | RTV | Rotavirus |
| | SAV | Sapovirus |
| Bacteria | CAM | Campylobacter |
| | CDS | Clostridium difficile |
| | CTB | Clostridium difficile toxB |
| | CIA | Clostridium difficile toxins A/B |
| | PYR | Helicobacter pylori |
| | SAM | Salmonella |
| | SHY | Shigella/EIEC (Enteroinvasive Escherichia coli) |
| | YER | Yersinia enterocolitica |
| Parasites | KRY | Cryptosporidium |
| | GIA | Giardia lamblia |
| | ETH | Entamoeba histolytica |
| | ETD | Entamoeba dispar |
| | DIE | Dientamoeba fragilis |

## 3. Gastrointestinal Panels

| Targets | GP01 | GP02 | GP03 | GP04 |
|---|---|---|---|---|
| Adenovirus | O | | | |
| Aeromonas spp. + Yersinia enterocolitica | | O | O | |
| Astrovirus | O | | | |
| Blastocystis hominis + Dientamoeba fragilis | | O | | |
| Campylobacter coli, C. lari & C. jejuni | | | | O |
| Clostridium difficile | | O | | |
| Clostridium difficile toxB | | O | | |
| Clostridium difficile toxins A + B | | | | O |
| Cryptosporidium, Giardia & E. histolytica | O | O | | |
| E. coli ETEC + EIEC | | O | O | |
| E. coli EHEC, EPEC & EIEC | | O | O | O |
| Norovirus GI + GII | O | | | |
| Rotavirus | O | | | |
| Salmonella, Campylobacter & Y. enterocolitica | O | | | O |
| Salmonella, Campylobacter & Shigella/EIEC | | O | O | |
| Sapovirus | O | | | |
| Shigella/EIEC | O | | | |

**Simultaneous detection of multiple targets in a broad range of multiplexing diagnostic panels.**

# Respiratory infections

## 1. Multiplex

| Type | Reference | Description |
|---|---|---|
| Virus | IAB | Flu A + Flu B |
| | ABR | Flu A, Flu B & RSV |
| | RSV | RSV A + B |
| | H13 | Flu Typing I (H1N1 + H3N2) |
| | HXN | Flu Typing II (H1N1, H5N1, H3N2 & H7N9) |
| | RPA | Respiratory Viral Panel I (2 wells): (Flu A, Flu B & RSV) + (H1N1, H5N1, H3N2 & H7N9) |
| | PIZ | Parainfluenza (2 wells): (1, 3 & 2, 4) |
| | AMB | Adenovirus, Metapneumovirus & Bocavirus |
| | RHE | Rhinovirus + Enterovirus |
| | MER | MERS Coronavirus (2 wells) |
| | COR | Coronavirus (229E, NL63, 0C43 &HKU1) |
| | NCO2 | SARS-CoV-2 (ORF1ab & N genes) |
| | NCO3 | SARS-CoV-2 (N1 + N2) |
| | NCO4 | SARS-CoV-2 Triplex (ORF1ab, E & N genes) |
| | ABC | Flu A, Flu B & SARS-CoV-2 |
| | CFR | SARS-CoV-2, Flu & RSV |
| | SUK1 | SARS-CoV-2 & UK Variant (S UK, S & N genes) |
| | SUK2 | SARS-CoV-2 del 69/70, ORF1ab & N genes |
| | VAR | SARS-CoV-2 Variant I (E484K, K417N, K417T, N501Y) |
| | VAI | SARS-CoV-2 Variant II (P681R, L452R, E4849) |
| | VAO | SARS-CoV-2 Variant III (Q954H, A2710T) |
| Bacteria | BDT | Bordetella (B. pertussis, B. parapertussis & B. holmesii) |
| | CML | C. pneumoniae, M. pneumoniae & L. pneumophila |
| | HSM | H. influenzae, S. pneumoniae & M. catarrhalis |
| | MTD | M. Tuberculosis complex + Non-tuberculosis mycobacteria |

SARS-CoV-2

## 2. Monoplex

| Type | Reference | Description |
|---|---|---|
| Virus | BVS | Bocavirus |
| | MPV | Human metapneumovirus |
| | YIA | Influenza A |
| | HNV | Influenza A(H1N1)pdm09 |
| | YIB | Influenza B |
| | RSA | RSV A |
| | RSB | RSV B |
| Bacteria | LGN | Legionella pneumophila |
| | MTC | M. Tuberculosis complex |
| | GAS | Group A Streptococcus |
| Fungi | JIR | Pneumocystis jirovecii *(q)* |

*(q)* Quantitative.

## 3. Respiratory Panels

| Targets | RP01 | RP02 | RP03 | RP04 | RP05 |
|---|---|---|---|---|---|
| Adenovirus, Metapneumovirus & Bocavirus | O | O | O | O | O |
| C. pneumoniae, M. pneumoniae & L. pneumophila | | O | O | | |
| Coronavirus (229, NL63, OC43 & HKU1) | O | O | O | O | O |
| Flu A + Flu B | | O | | O | |
| Flu A, Flu B & RSV | O | | O | | O |
| Flu Typing II (H1N1, H5N1, H3N2 & H7N9) | | O | | | |
| H. influenzae, S. pneumoniae & M. catarrhalis | | | O | | O |
| Influenza H1N1 | | | | O | |
| MERS Coronavirus (2 wells) | O O | | | | |
| Parainfluenza (1, 3 & 2, 4) (2 wells) | O O | O O | O O | O O | O O |
| Rhinovirus + Enterovirus | O | | O | O | O |
| RSV A + B | | O | | O | |
| Legionella pneumophila | | | | | O |



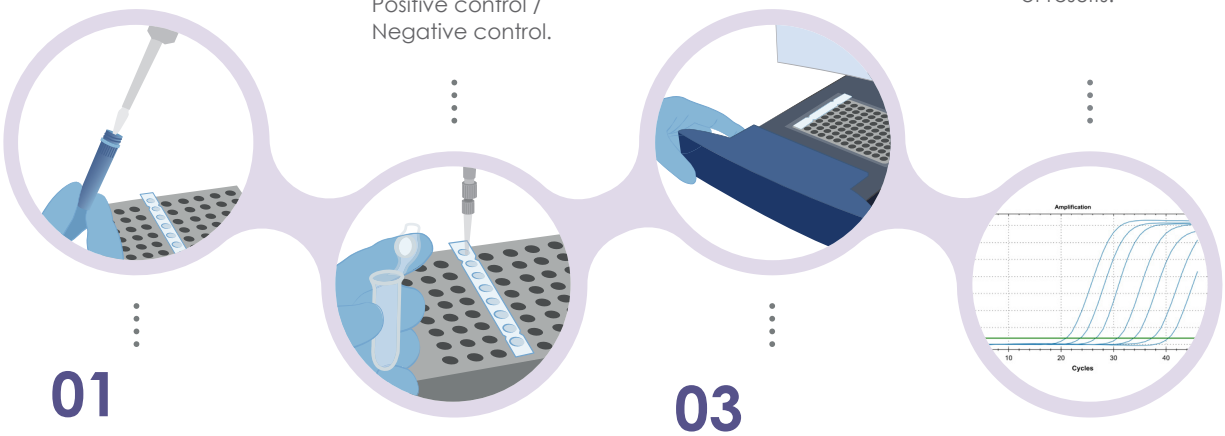
## Workflow

**01**

Add 15 µl of rehydration buffer into each well.

**02**

Add 5 µL of: DNA/RNA sample / Positive control / Negative control.



**03**

Load the strips into the thermocycler and run the specified protocol.

**04**

Analysis of results.

# Tropical & Vector-Borne transmission diseases

## 1. Multiplex

| Type | Reference | Description |
|---|---|---|
| | ZDC | Zika, Dengue & Chikungunya Virus |
| | DES | Dengue Serotyping (2 wells): (Dengue 1, 4 & 2, 3) |
| | TBD | Tick Borne Diseases (3 wells): (Borrelia, Anaplasma & Coxiella) + (Rickettsia, Babesia & Ehrlichia) + (TBEV) |
| | BAC | Borrelia, Anaplasma & Coxiella |
| | MAD | Malaria differentiation (2 wells): (P. malariae, P. knowlesi & P. ovale) + (P. falciparum + P. vivax) |

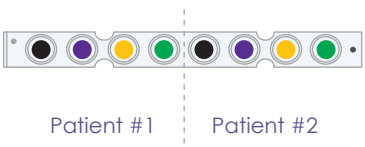


## 2. Monoplex

| Type | Reference | Description |
|---|---|---|
| Virus | ZIK | Zika Virus |
| | DEN | Dengue Virus |
| | CHI | Chikungunya Virus |
| | WNV | West Nile Virus |
| | FEV | Yellow Fever Virus |
| | MYV | Mayaro Virus |
| | CCV | Crimean-Congo Hemorrhagic Fever Virus |
| | JEV | Japanese Encephalitis Virus |
| Parasites | CHA | Trypanosoma cruzi (Chagas) |
| | MAL | Malaria *(q)* |
| | LEI | Leishmania |

## 3. Tropical Panel

| Targets | TP01 |
|---|---|
| Zika, Dengue & Chikungunya Virus | ● |
| West Nile Virus | ● |
| Yellow Fever Virus | ● |
| Mayaro Virus | ● |




*(q)* Quantitative.

# Sexual health

## 1. Multiplex

| Reference | Description |
|---|---|
| STD | Sexually transmitted diseases (2 wells):<br>(N. gonorrhoeae, C. trachomatis & M. genitalium) +<br>(T. vaginalis, U. urealyticum, U. parvum & M. hominis) |
| HHT | Herpes virus 1, Herpes virus 2 & Treponema pallidum |
| CGT | C. albicans, G. vaginalis & T. vaginalis |
| HPV | Human Papiloma Virus 16 + 18 |
| HRP | High Risk Papilloma (2 wells): (16), (18) & (35/58/66) + (33/45/51), (52/59/68) & (31/39/56) |
| CTN | N. gonorrhoeae + C. trachomatis |

**Coming soon:**

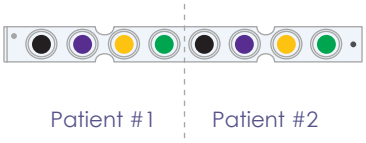
- Low Risk Papilloma: (40/43/61/70), (6/11) & (42/44/54) (2 wells)
- Neisseria gonorrhoeae ciprofloxacin resistant

## 2. Monoplex

| Reference | Description |
|---|---|
| GBS | Streptococcus B |
| TPA | Treponema pallidum |
| LGV | C. trachomatis (LGV) |

## 3. Sexual health Panel

| Targets | SP01 |
|---|---|
| N. gonorrhoeae, C. trachomatis & M. genitalium | ● |
| T. vaginalis, U. urealyticum, U. parvum & M. hominis | ● |
| Herpes virus 1, Herpes virus 2 & Treponema pallidum | ● |
| C. albicans, G. vaginalis & T. vaginalis | ● |



# Immunosupressed and Meningitis

## 1. Multiplex

| Type | Reference | Description |
|---|---|---|
| Virus | BJV | BK + JC Virus |
| | HHZ | Herpes Virus 1, Herpes Virus 2 & Varicela Zoster Virus |
| | HHV | Human Herpes Virus 6, 7 & 8 |
| Bacteria | HNS | H. influenzae, N. meningitidis & S. pneumoniae |
| | SLE | S. agalactiae, L. monocytogenes & E. coli |

## 2. Monoplex

| Type | Reference | Description |
|---|---|---|
| Virus | CMV | Cytomegalovirus *(q)* |

### Coming soon:

- BK virus *(q)*

# Antimicrobial resistance

## 1. Multiplex

| Reference | Description |
|---|---|
| VAN | Vancomycin resistance |
| CLA | H. pylori + Clarithromycin resistance |
| MSA | Methicillin-resistant Staphylococcus aureus (2 wells): (MRSA, MSSA and/or MRCoNS) |
| CPE | Carbapenemase-producing Enterobacteriaceae (2 wells): (NDM + VIM) + (OXA, KPC & IMP) |

### Coming soon:

- Enterococcus faecalis, Enterococcus faecium & Vancomycin resistance
- Beta-lactamases (TCX-M, TEM, SHY & Colistin)
- Neisseria gonorrhoeae ciprofloxacin resistant

*(q)* Quantitative.

# Non infectious diseases

## 1. Multiplex

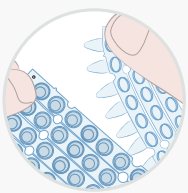
| Reference | Description |
|---|---|
| CEL | HLA celiac (2 wells): (DQA1*05, DQB1*03:02, DQB1*02 & HBB gene (β-globin)) & (DQA1*02, DQA1*03 & no DQB1*02) |

## Coming soon...

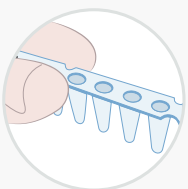
### Urinary Tract Infections

**UTIs are common infections that happen when bacteria, often from the skin or rectum, enter the urethra and infect the urinary tract.** The infections can affect several parts of the urinary tract, but the most common type is a bladder infection (cystitis).

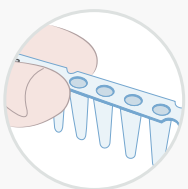
## Available formats:



**Plates in low (0.1ml) and high (0.2ml) profile**



**Low Profile strip (0.1ml)**



**High Profile strip (0.2ml)**

**2ml Tube**
(Only for Multiplex and Monoplex Kits)

**Rotor-Gene Tube**
(Only for Multiplex and Monoplex Kits)

# Compatibility guidance

Please, verify the table and **check the specifications of your equipment before running the RT-PCR.**

If the equipment does not appear in the list below, contact your supplier.

## Low Profile Cyclers (0,1ml)

| Manufacturer | Model |
|---|---|
| Agilent Technologies | AriaMx/AriaDx Real-Time PCR System |
| Applied Biosystems | 7500 Fast / 7500 Fast Dx Real-Time PCR System [1] [6] |
| | QuantStudio™ 12K Flex 96-well Fast |
| | QuantStudio™ 6 Flex 96-well Fast |
| | QuantStudio™ 7 Flex 96-well Fast |
| | QuantStudio™ 3 Fast Real-Time PCR System [3] |
| | QuantStudio™ 5 Fast/ QuantStudio™ 5 Real-Time PCR System |
| | StepOne Plus™ Real-Time PCR System [2] |
| | StepOne™ [2], [3] |
| | ViiA™ 7 Fast |
| Azure Biosystems | Azure Cielo 3 [4] |
| | Azure Cielo 6 |
| BIONEER | Exicycler™ 96 Fast |
| Bio-Rad | CFX96TM / CFX96TM IVD Real-Time PCR Detection System |
| | Mini OpticonTM Real-Time PCR Detection System [4] |
| Roche | LightCycler ® 480 Real-Time PCR System [6] [7] |
| | LightCycler ® 96 Real-Time PCR System |
| | Cobas z480 Analyzer [6][7] |

## Special Formats [5]

| Manufacturer | Model |
|---|---|
| Bio Molecular Systems | Mic Real Time PCR Cycler |
| Cepheid | SmartCycler® |
| Qiagen | Rotor-Gene® Q |

## High Profile Cyclers (0,2ml)

| Manufacturer | Model |
|---|---|
| Abbott | Abbott m2000 [6] |
| Agilent | Mx3000P™/ Mx 3005P™ |
| Analytik Jena | qTower [7] |
| Applied Biosystems | 7300 [3] [6] |
| | 7500 [6] |
| | 7900 HT [2] |
| | ABI PRISM 7000 [2] |
| | ABI PRISM 7700 [2] |
| | QuantStudio™ 12K Flex 96-well |
| | QuantStudio™ 6 Flex 96-well |
| | QuantStudio™ 7 Flex 96-well |
| | QuantStudio™ 3 Real-Time PCR System [2] |
| | QuantStudio™ 5 Fast/ QuantStudio™ 5 Real-Time PCR System |
| | ViiA™ 7 Real-Time PCR System |
| BIOER | QuantGene 9600 |
| BIONEER | Exicycler™ 96 |
| Bio-Rad | CFX96TM Deep Well / CFX96TM Deep Well IVD |
| | iCycler iQTM Real-Time PCR Detection System |
| | iCycler iQTM5 Real-Time PCR Detection System |
| | My iQTM Real-Time PCR Detection System [4] |
| | My iQTM2 Real-Time PCR Detection System [4] |
| DNA-Technology | DTprime |
| | DTlite |
| Eppendorf | Mastercycler™ ep *realplex* |
| Qiagen | QIAquant 96 [7] |
| VIASURE | V-Lab96 |

(1) Select Ramp Speed **"Standard"** in New Experiment/Advanced Set-up/Experiment Properties. When using the Applied Biosystems 7500 Fast with strips it is recommended to place a plate holder to reduce the risk of crushed tube (Ref. PN 4388506).

(2) No Cy5 caption.

(3) No ROX caption.

(4) Only FAM and HEX caption.

(5) The product must be reconstituted following the appropriate procedure (see Test procedure) and transferred to the specific tubes for Mic, SmartCycler®, Rotor-Gene® Q or geneLEAD VIII System.

(6) A special grid is needed to fit these real-time PCR kits.

(7) Specific compensation color is required.

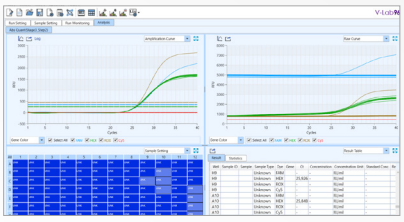
# V-Lab96

**Viasure Real Time PCR platform**

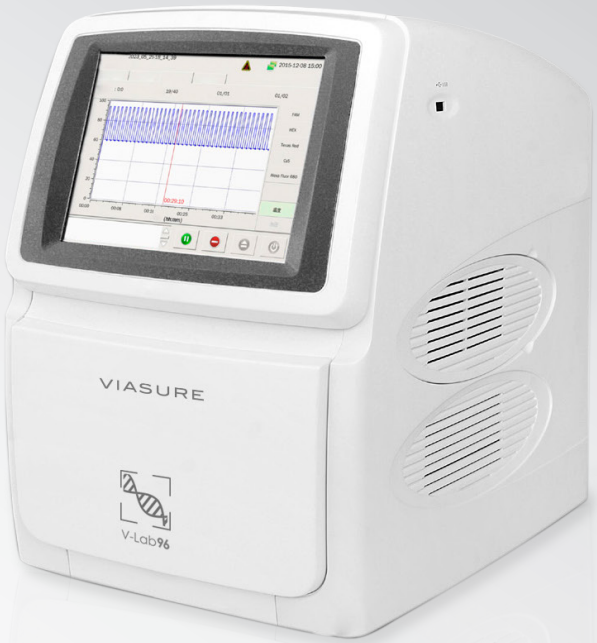
Advanced system with 96-well block for diagnostic applications.

## Open platform for in vitro diagnostics.

VIASURE V-Lab96 allows users to analyze 96 samples simultaneously for qualitative and quantitative Real Time PCR.



VIASURE V-Lab96 software screen.




- Improved optical system for **high specificity and sensitive** detection.
- **Reduced operating time.**
- **High sample throughput** in diagnostic lab applications.
- **Data registering** and accounting in electronic format for LIS conexion.
- **Power-off protection.** Avoid the loss of experimental data and waste of reagents due to abrupt power-off.

V-Lab96

- **Analysis performed in a closed test tube** to minimize possible contamination of further experiments.
- Integrated 10.4" **TouchScreen.**
- **Compatible with all VIASURE Real Time PCR Detection Kits.**
- Qualitative & Quantitative data analysis.
- **Automatic interpretation** and analysis of results

# V-Smart

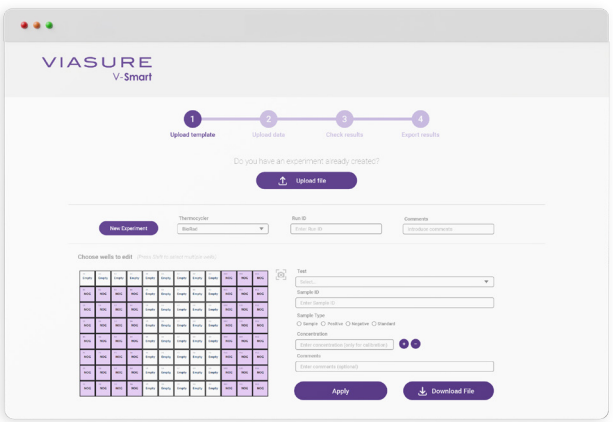
## Easy & automatic interpretation


## Make your analysis easier.

**VIASURE V-Smart** allows the analyse and interpretation of the VIASURE Real Time PCR assays.

The **VIASURE V-Smart** software facilitates the conversion of the PCR raw data into test results with minimal manual intervention.

- **Easy to use**
- **Automatic results PCR interpretation**
- **Big range of RT-PCR Thermocyclers**
- **LIS connection & Report**
- **Machine-learning based**




### Supported qPCR systems

- Agilent Technologies
- Applied Biosystems
- BIO-RAD
- DNA-Technology
- VIASURE 48/VIASURE 96
- Qiagen
- Roche
- Neos
- VIASURE V-Lab96

# VIASURE RNA Viral Particles

Monitor the whole process, from nucleic acid extraction to amplification.

## Available Kits:

| Reference | Description |
|---|---|
| VS-VP1NCO | VIASURE Viral **SARS-CoV-2** Positive Control Kit |
| VS-VP1SUK | VIASURE Viral **SARS-CoV-2 Alpha (B.1.1.7)** Positive Control Kit |
| VS-VP1SSA | VIASURE Viral **SARS-CoV-2 Beta (B.1.351)** Positive Control Kit |
| VS-VP1SBR | VIASURE Viral **SARS-CoV-2 Gamma (P.1)** Positive Control Kit |
| VS-VP1SWT | VIASURE Viral **SARS-CoV-2 Total** Positive Control Kit |
| VS-VP1ABR | VIASURE Viral **ABR** Positive Control Kit |
| VS-VP1YIA | VIASURE Viral **Influenza A (H1N1)** Positive Control Kit |
| VS-VP1YIB | VIASURE Viral **Influenza B** Positive Control Kit |
| VS-VP1DEB | VIASURE Viral **Dengue 2** Positive Control Kit |
| VS-VP1CHI | VIASURE Viral **Chikungunya** Positive Control Kit |

## How do these controls help you in the lab process?

- **Monitor instrument performance.**
- **Improve the diagnosis process:** nucleic acid extraction, amplification, and detection quality.
- Allow 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

Amplification

Result interpretation

**VIASURE Complete Solution**
provides a perfect combination of products and tools for your lab.

Service and support:
Our expert team focuses on **quality, attention and detail.**

*One step ahead*

VIASURE

CerTest BIOTEC

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