VIASURE

Molecular Diagnostic workflow for your lab

certest

“Ready & Easy-to-use” kits

Shipping and storage at **room temperature. Lyophilised** reagents.

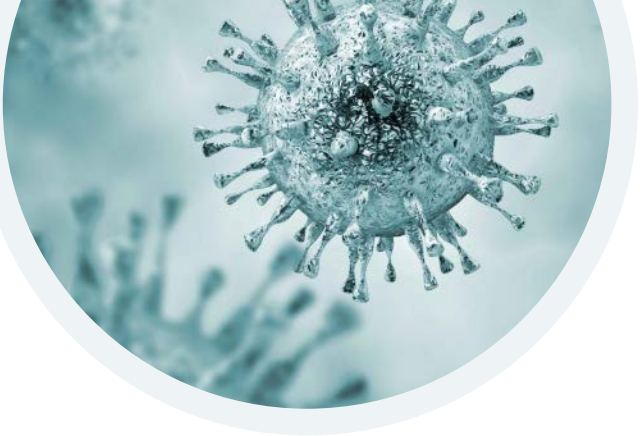
Shelf-life: **24 months**

Validated according to **ISO 13485** and **CE-IVD/IVDR** marked

Different PCR kits, **one thermal protocol**

Molecular Diagnostics

- Gastrointestinal infections
- Respiratory infections
- Tropical & Vector-Borne diseases
- Sexual Health
- Immunosupressed and Meningitis
- Antimicrobial resistance
- Human Genetics



VIASURE

Real-Time PCR Complete Solution

Sample

p. 4

DNA/RNA extraction reagents

Extraction kits

p. 6

Automation. Extraction and PCR set-up.

V-Quick32
V-Flex

p. 8

Reagents for amplification.

Real Time PCR Detection kits

p. 17

PCR Platform.

V-Lab96

p. 18

Automatic interpretation.

V-Smart

Result

p. 19

Check your full process.

Viral particles

VIASURE Extraction Kits

Simultaneous processing of **different types of biological samples.**

Starting sample volume: 200 µl

Elution volume: 100 µl

Magnetic beads technology

Ready to use reagents.
Different formats adapted to VIASURE platform

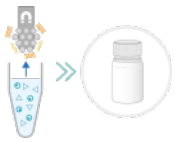
Stable at **Room Temperature**

Different kits for different purposes:

- Viral, bacterial, parasitic and fungal **DNA and RNA**
- **Human genomic DNA**

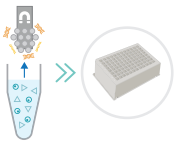
Compatible with a wide range of sample types

Open format Extraction Kits



Reference	Description		Samples
VS-EAP0296OP	VIASURE DNA/RNA Pathogens Extraction Kit for Open Format, 96 prep	IVDR	Swabs, saliva, sputum, faeces and urine.
VS-EAB0196OP	VIASURE Blood Pathogens Extraction Kit for Open Format, 96 prep	IVDR	Whole blood, serum, plasma, fresh urine, STI swabs, blood cultures and CSF.

Extraction Kits for VIASURE V-Quick32



Reference	Description		Samples
VS-EAU0196VQ	VIASURE Universal Pathogens Extraction Kit for VIASURE V-Quick32, 96 prep	IVDR	Swab specimens, saliva, sputum, BAL, BAS, feces, urine, semen, whole blood, plasma, serum, blood culture, CSF, gastric biopsies and culture colony.
VS-EAG0196VQRUO	VIASURE hgDNA Extraction Kit for VIASURE V-Quick32 (1) NEW		Whole blood, DBS, Buccal swabs, Saliva, Buffy coat, Bone marrow, Tissue and Human cells.

Extraction kits for VIASURE V-Flex

Reference	Description		Samples
VS-EAP0296FX	VIASURE DNA/RNA Pathogens Extraction Kit for VIASURE V-Flex, 96 prep	IVDR	Swabs, saliva, sputum, faeces and urine.
VS-EAB0196FX	VIASURE Blood Pathogens Extraction Kit for VIASURE V-Flex, 96 prep	IVDR	Whole blood, serum, plasma, blood cultures, CSF, fresh urine and STI swabs.
VS-EAU0196FXRUO	VIASURE Universal Pathogens Extraction Kit for VIASURE V-Flex, 96 prep (1) NEW		Swab specimens, saliva, sputum, BAL, BAS, feces, urine, semen, whole blood, plasma, serum, blood culture, CSF, gastric biopsies and culture colony.
VS-EAG0196FXRUO	VIASURE hgDNA Extraction Kit for VIASURE V-Flex (1) NEW		Whole blood, DBS, Buccal swabs, Saliva, Buffy coat, Bone marrow, Tissue from different organs and Human cells.

(1) Research Use Only

V-Quick32

IVDR CERTIFIED

Automatic nucleic acid extraction instrument

Integrated touchscreen
User friendly software

Highly efficient:
Based on magnetic
Beads technology

DNA/RNA **Universal**
Extraction Protocol

Flexible Capacity:
From 1 to 32 samples

Fast extraction protocol:
Only 27 minutes

V-Flex

IVDR CERTIFIED

Automated solution for nucleic acid extraction and PCR set-up

Fully automated extraction (from 1 to 96 samples) and PCR set-up

Full LIS compatibility and integration

Flexible set-up for **different users and requirements**

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

Easy and fully traceable sample handling

DNA/RNA purification from a wide range of samples

Flexible configurations for different needs

VIASURE Real Time PCR Detection Kits

Gastrointestinal infections

Multiplex

Type	Reference	Description		Tests
Virus	GIM	Sapovirus + Astrovirus + Rotavirus (1) NEW		48/96
	NOR	Norovirus GI + GII	IVDR	48/96
Bacteria	AEY	*Aeromonas* + *Yersinia enterocolitica*		48/96
	CDA	*Clostridium difficile* toxins A+B	IVDR	48/96
	CLA	*H. pylori* + Clarithromycin resistance	IVDR	48/96
	CLJ	*Campylobacter coli, C. lari* & *C. jejuni*		48/96
	ECT	*E. coli* typing (2 wells): (*E. coli* ETEC + EIEC) + (*E. coli* EHEC, EPEC & EIEC)		24/48
	EEE	*E. coli* EHEC, EPEC & EIEC		48/96
	ESE	*E. coli* ETEC + EIEC		48/96
	SCS	*Salmonella*, *Campylobacter* & *Shigella*/EIEC	IVDR	48/96
	SCY	*Salmonella*, *Campylobacter* & *Yersinia enterocolitica*	IVDR	48/96
Parasites	BLD	*Blastocystis hominis* + *Dientamoeba fragilis*	IVDR	48/96
	KGE	*Cryptosporidium, Giardia* & *E. histolytica*	IVDR	48/96

Monoplex

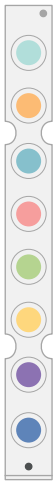
Type	Reference	Description		Tests
Virus	ADU	Adenovirus	IVDR	48/96
	ATV	Astrovirus	IVDR	48/96
	RTV	Rotavirus	IVDR	48/96
	SAV	Sapovirus	IVDR	48/96
Bacteria	CDS	*Clostridium difficile*	IVDR	48/96
	CIA	*Clostridium difficile* toxins A/B		48/96
	CTB	*Clostridium difficile* toxB	IVDR	48/96
Parasites	DIE	*Dientamoeba fragilis*	IVDR	48/96
	ETD	*Entamoeba dispar*	IVDR	48/96

(1) Research Use Only

One Thermal Protocol. More Targets. Less Time!

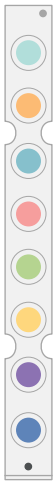
Panels

GP01 | 12 tests



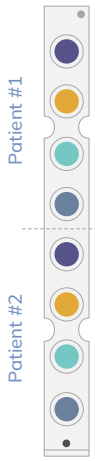
- *Salmonella*, *Y. enterocolitica* & *Campylobacter*
- *Shigella*/EIEC
- *Giardia lamblia*, *E. histolytica* y *Cryptosporidium*
- Norovirus GII, Norovirus GI
- Rotavirus
- Adenovirus
- Astrovirus
- Sapovirus

GP02 | 12 tests



- *Salmonella*, Campylobacter & *Shigella*/EIEC
- Aeromonas spp. + *Yersinia enterocolitica*
- *E. coli* EHEC, EPEC & EIEC
- *E. coli* ETEC + EIEC
- *Clostridium difficile*
- *Clostridium difficile* toxB
- *Cryptosporidium*, *Giardia* & *E. histolytica*
- *Blastocystis hominis* + *Dientamoeba fragilis*

GP03 | 24 tests



- *Salmonella*, *Campylobacter* & *Shigella*/EIEC
- *Aeromonas spp.* + *Yersinia enterocolitica*
- *E. coli* EHEC, EPEC & EIEC
- *E. coli* ETEC + EIEC
- *Salmonella*, *Campylobacter* & *Shigella*/EIEC
- *Aeromonas spp.* + *Yersinia enterocolitica*
- *E. coli* EHEC, EPEC & EIEC
- *E. coli* ETEC + EIEC

GP04 | 24 tests

- *Clostridium difficile* toxins A + B
- *Salmonella*, *Campylobacter* & *Y. enterocolitica*
- *Campylobacter coli*, *C. lari* & *C. jejuni*
- *E. coli* EHEC, EPEC & EIEC
- *Clostridium difficile* toxins A + B
- *Salmonella*, *Campylobacter* & *Y. enterocolitica*
- *Campylobacter coli*, *C. lari* & *C. jejuni*
- *E. coli* EHEC, EPEC & EIEC

Respiratory infections

Multiplex

Type	Reference	Description		Tests
Virus	ABC	Flu A, Flu B & SARS-CoV-2		48/96
	ABR	Flu A, Flu B & RSV	IVDR	48/96
	AMB	Adenovirus, Metapneumovirus & Bocavirus	IVDR	48/96
	CFR	SARS-CoV-2, Flu & RSV	IVDR	48/96
	COR	Coronavirus (229E, NL63, 0C43 & HKU1)	IVDR	48/96
	HXN	Flu Typing II (H1N1, H5N1, H3N2 & H7N9)	IVDR	48/96
	H13	Flu Typing I (H1N1 + H3N2)		48/96
	IAB	Flu A + Flu B	IVDR	48/96
	MER	MERS Coronavirus 1 + 2		24/48
	NCO2	SARS-CoV-2 (ORF1ab & N genes)	IVDR	48/96
	NCO3	SARS-CoV-2 (N1 + N2)		48/96
	NCO4	SARS-CoV-2 Triplex (ORF1ab, E & N genes)		48/96
	PIZ	Parainfluenza (2 wells): (1, 3 & 2, 4)	IVDR	24/48
	RHE	Rhinovirus + Enterovirus	IVDR	48/96
	RMS	Measles + Rubella (1) NEW		48/96
	RPA	Respiratory Viral Panel I (2 wells): (Flu A, Flu B & RSV) + (H1N1, H5N1, H3N2 & H7N9)	IVDR	24/48
	RSV	RSV A + B	IVDR	48/96
Bacteria	BDT	*Bordetella* (*B. pertussis, B. parapertussis* & *B. holmesii*)	IVDR	48/96
	CML	*C. pneumoniae, M. pneumoniae* & *L. pneumophila*		48/96
	HSM	*H. influenzae, S. pneumoniae* & *M. catarrhalis*	IVDR	48/96
	MTD	*M. tuberculosis* complex + Non-tuberculosis mycobacteria	IVDR	48/96
Fungi	ASP	*Aspergillus* differentiation (*A. fumigatus, A. flavus, A. terreus*)		48/96

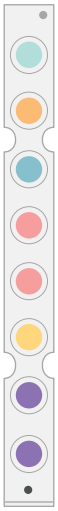
Monoplex

Type	Reference	Description		Tests
Virus	ADU	Adenovirus NEW	IVDR	48/96
	HNV	Influenza A(H1N1)pdm09		48/96
Bacteria	GAS	Group A *Streptococcus*	IVDR	48/96
	MTC	*M. Tuberculosis* complex	IVDR	48/96
Fungi	JIR	*Pneumocystis jirovecii* (q)	IVDR	48/96

(q) Quantitative (1) Research Use Only

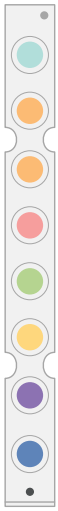
Panels

RP01 | 12 tests



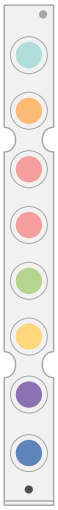
- Flu A, Flu B & RSV
- Rhinovirus + Enterovirus
- Adenovirus, Metapneumovirus & Bocavirus
- MERS Coronavirus 1
- MERS Coronavirus 2
- Coronavirus (229E, NL63, OC43 & HKU1)
- Parainfluenza 1 + 3
- Parainfluenza 2 + 4

RP03 | 12 tests



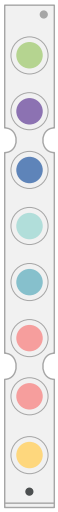
- Flu A, Flu B & RSV
- Parainfluenza 1 + 3
- Parainfluenza 2 + 4
- Adenovirus, Metapneumovirus & Bocavirus
- Rhinovirus + Enterovirus
- Coronavirus (229E, NL63, OC43 & HKU1)
- *C. pneumoniae, M. pneumoniae & L. pneumophila*
- *H. influenzae, S. pneumoniae & M. catarrhalis*

RP06 | 12 tests



- Flu A, Flu B & RSV
- Flu Typing I (H1N1 & H3N2)
- Parainfluenza 1 + 3
- Parainfluenza 2 + 4
- Adenovirus, Metapneumovirus & Bocavirus
- Rhinovirus + Enterovirus
- Coronavirus (229E, NL63, OC43 & HKU1)
- SARS-CoV-2 (ORF1ab & N genes)

RP07 NEW IVDR CERTIFIED | 12 tests



- Adenovirus, Metapneumovirus & Bocavirus
- Coronavirus (229E, NL63, OC43 & HKU1)
- SARS-CoV-2
- Flu A, Flu B, RSV A & RSV B
- Flu A (H1N1pdm09, H3N2, H5N1 & H7N9)
- Parainfluenza 1 + 3
- Parainfluenza 2 + 4
- Rhinovirus + Enterovirus

Tropical & Vector-Borne diseases

Multiplex

Reference	Description		Tests
BAC	*Borrelia, Anaplasma & C. burnetii*		48/96
DES	Dengue Serotyping (2 wells): (Dengue 1, 4 & 2, 3)	IVDR	24/48
MAD	Malaria differentiation (2 wells): (*P. malariae, P. knowlesi* & *P. ovale*) + (*P. falciparum* + *P. vivax*)	IVDR	24/48
MOV	Mayaro & Oropouche (1) NEW		48/96
TBD	Tick Borne Diseases (3 wells): (*Borrelia, Anaplasma & C. burnetii*) + (*Rickettsia, Babesia & Ehrlichia*) + (TBEV)		24/48
ZDC	Zika, Dengue & Chikungunya Virus	IVDR	48/96

Monoplex

Type	Reference	Description		Tests
Virus	CCV	Crimean-Congo Hemorrhagic Fever Virus		48/96
	CHI	Chikungunya Virus	IVDR	48/96
	DEN	Dengue Virus	IVDR	48/96
	FEV	Yellow Fever Virus	IVDR	48/96
	HAN	Andes hantavirus (1) NEW		48/96
	JEV	Japanese Encephalitis Virus		48/96
	MPX	Monkeypox Virus	World Health Organization IVDR	48/96
	MYV	Mayaro Virus		48/96
	WNV	West Nile Virus		48/96
	ZIK	Zika Virus	IVDR	48/96
Parasites	CHA	*Trypanosoma cruzi* (Chagas)	IVDR	48/96
	LEI	*Leishmania*	IVDR	48/96
	MAL	Malaria (q)	IVDR	48/96
	TGO	*Toxoplasma gondii*	IVDR	48/96

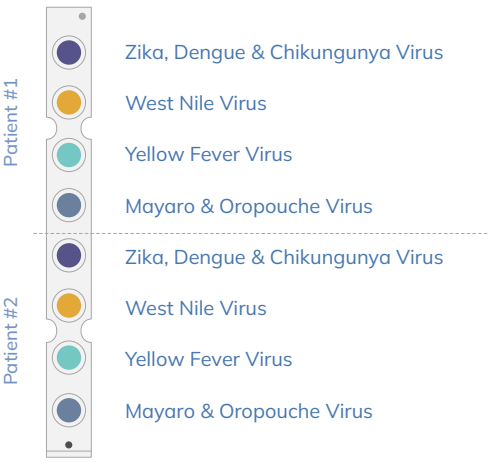
(q) Quantitative (1) Research Use Only

Panels

TP02 NEW

24 tests

IVDR



Sexual health

Multiplex

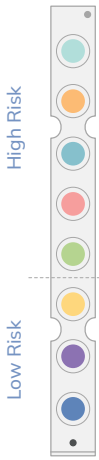
Reference	Description		Tests
CGT	*C. albicans, G. vaginalis* & *T. vaginalis*	IVDR	48/96
CTN	*N. gonorrhoeae* + *C. trachomatis*		48/96
HHT	Herpes virus 1, Herpes virus 2 & *Treponema pallidum*	IVDR	48/96
HPV	Human Papilloma Virus 16 + 18	IVDR	48/96
HRP	High Risk Papilloma (2 wells): (16), (18) & (35/58/66) + (33/45/51), (52/59/68) & (31/39/56)	IVDR	24/48
MGR	Macrolide resistance-associated mutations (23S rRNA)	IVDR	48/96
NCR	*Neisseria gonorrhoeae* ciprofloxacin resistant	IVDR	48/96
NMT	*Neisseria gonorrhoeae, Chlamydia trachomatis* & *Mycoplasma genitalium*	IVDR	48/96
STD	Sexually transmitted diseases (2 wells): (*N. gonorrhoeae, C. trachomatis* & *M. genitalium*) + (*T. vaginalis, U. urealyticum, U. parvum* & *M. hominis*)		24/48

Monoplex

Type	Reference	Description		Tests
Bacteria	**GBS**	*Streptococcus* B	IVDR	48/96
	LGV	*C. trachomatis* (LGV)		48/96
	TPA	*Treponema pallidum*	IVDR	48/96

Panels

SP02 (1) NEW | 12 tests



- Human Papillomavirus Genotyping (16, 18, 31, 35)
- Human Papillomavirus Genotyping (33, 59, 56, 58)
- Human Papillomavirus Genotyping (68, 73, 26, 82)
- Human Papillomavirus Genotyping (51, 69, 39, 66)
- Human Papillomavirus Genotyping (53, 52, 45)
- Human Papillomavirus Genotyping (11, 70, 43)
- Human Papillomavirus Genotyping (42, 40, 54)
- Human Papillomavirus Genotyping (61, 44, 6)

SP03 NEW IVDR | 24 tests

- *N. gonorrhoeae, C. trachomatis* & *M. genitalium*
- *T. vaginalis, U. urealyticum, U. parvum* & *M. hominis*
- Herpes virus 1, Herpes virus 2 & *Treponema pallidum*
- *C. trachomatis* (LGV), *C. albicans, H. ducreyi* & *G. vaginalis*
- *N. gonorrhoeae, C. trachomatis* & *M. genitalium*
- *T. vaginalis, U. urealyticum, U. parvum* & *M. hominis*
- Herpes virus 1, Herpes virus 2 & *Treponema pallidum*
- *C. trachomatis* (LGV), *C. albicans, H. ducreyi* & *G. vaginalis*

(1) Research Use Only

Immunosupressed and Meningitis

Multiplex

Type	Reference	Description		Tests
Virus	BJV	BK + JC Virus		48/96
	HHZ	Herpes Virus 1, Herpes Virus 2 & Varicela Zoster Virus	IVDR	48/96
	HHV	Human Herpes Virus 6, 7 & 8	IVDR	48/96
	MEP	Mumps, Enterovirus & Parechovirus	IVDR	48/96
	NEU	Adenovirus, CMV, EBV & Parvovirus B19	IVDR	48/96
Bacteria	HNS	*H. influenzae, N. meningitidis & S. pneumoniae*	IVDR	48/96
	SLE	*S. agalactiae, L. monocytogenes & E. coli*	IVDR	48/96

Monoplex

Type	Reference	Description		Tests
Virus	AVQ	Adenovirus (q) NEW	IVDR	48/96
	BKQ	BK Virus (q)	IVDR	48/96
	CMV	Cytomegalovirus (q)		48/96
	EBV	Epstein-Barr Virus (q)	IVDR	48/96
	HBV	Hepatitis B Virus (1) (q)		48/96
	HCV	Hepatitis C virus (1) (q) NEW		48/96
	HDV	Hepatitis D virus (1) (q) NEW		48/96
	JCQ	JC virus (q) NEW	IVDR	48/96

(q) Quantitative *(1) Research Use Only*

Panel

MP01

| 24 tests

IVDR

Antimicrobial resistance and sepsis

Multiplex

Reference	Description		Tests
MSA	Methicillin-resistant *Staphylococcus aureus* (2 wells): (MRSA, MSSA and/or MRCoNS)		24/48
VAN	Vancomycin resistance	IVDR	48/96
CPE	Carbapenemase-producing *Enterobacteriaceae* (2 wells): (NDM + VIM) + (OXA, KPC & IMP)	IVDR	24/48
BLC	CTX, TEM, SHV & mcr		48/96
PKP	*P. aeruginosa, K. pneumoniae* & *P. mirabilis*		48/96
EAC	*Enterobacter, A. baumannii* & *E. coli*		48/96
EFF	*Enterococcus faecalis* + *Enterococcus faecium*		48/96
CLA	*H. pylori* + Clarithromycin resistance	IVDR	48/96
NCR	*Neisseria gonorrhoeae* ciprofloxacin resistant	IVDR	48/96
MGR	Macrolide resistance-associated mutations (23S rRNA)	IVDR	48/96

Monoplex

Reference	Description		Tests
CAU	*Candida auris*	IVDR	48/96

Human Genetics

Expanded genetic disease portfolio

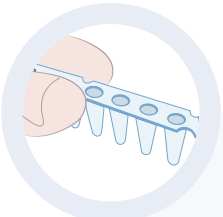
COMING SOON

Reference	Description	Tests
CEL	HLA celiac (2 wells): (DQA1*05, DQB1*03:02, DQB1*02) & (DQA1*02, DQA1*03 & no DQB1*02)	24/48
FSD	Fetal Sex Determination (1) NEW	48/96
RNP	Control RNase P (1)	48/96
B27	HLA-B*27 (1) NEW	48/96

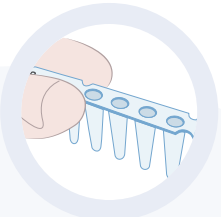
(1) Research Use Only

Available formats

Plates in low (0,1 ml) **and high** (0,2 ml) **profile**



Low Profile strip (0,1 ml)



High Profile strip (0,2 ml)

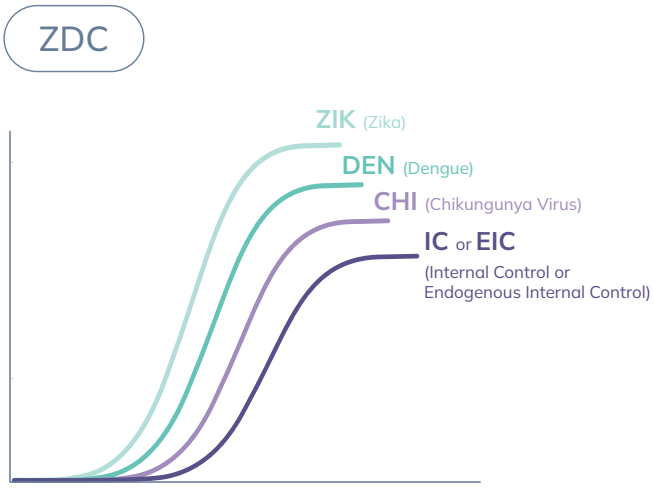
2ml Tube
(Only for Multiplex and Monoplex Kits)

Rotor-Gene Tube

How does *Multiplex testing* work?

Detection and differentiation of **multiple pathogens from a single sample,** optimizing time and resources in diagnosis.

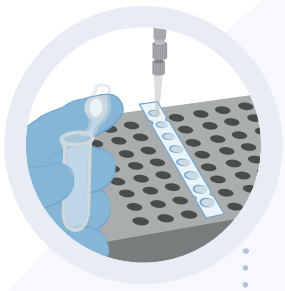
One sample » Multiple targets in the same PCR tube



PCR Work flow

01

Add 15 µl of rehydration buffer into each well.

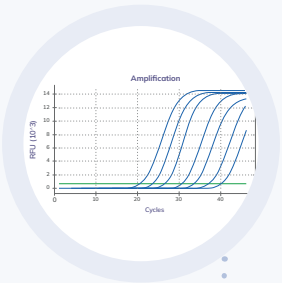


02

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

03

Place the strips in the thermal cycler and run the specified protocol.



04

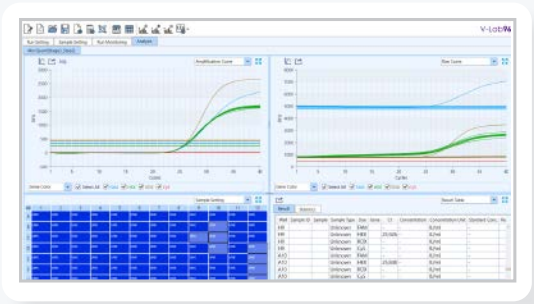
Analysis of results.

V-Lab96

Viasure Real Time PCR platform

IVDR CERTIFIED

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 connection
- **Power-off protection**
- **Integrated 10.4-inch touch screen**
- **Compatible with all VIASURE Real Time PCR Detection Kits**
- **Qualitative & Quantitative** data analysis
- **Automatic interpretation** and analysis of results

V-Smart

Automatic interpretation

IVDR CERTIFIED

VIASURE V-Smart allows the analysis 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.

- **Intuitive and easy to use** user-friendly interface
- **Machine-learning** based
- **Artificial Intelligence** based. **Automatic results** PCR interpretation
- **Big Range of compatible thermocyclers**
- **LIS connection & Report**
- **Complete traceability** and result history

VIASURE V-Smart is available in two variants:

VIASURE V-Smart

Cloud-connected solution for laboratories requiring Internet access.

VIASURE V-Smart Offline

Fully local solution for laboratories with restricted networks or strict cybersecurity requirements.

PCR platforms compatibility

- Agilent Technologies
- Applied Biosystems
- Bio-Rad
- DNA-Technology
- Qiagen-Rotorgene
- Bioer-QuantGene 9600
- Tianlong-Gentier 96E
- Roche
- V-Lab96

EXTERNAL POSITIVE CONTROLS

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-VP1SDL	VIASURE Viral **SARS-CoV-2 Delta (B.1.617.2)** 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-VP1ZIKRUO	VIASURE Viral **Zika Total** Positive Control Reagents (1)
VS-VP1DEBRUO	VIASURE Viral **Dengue 2** Positive Control Kit (1)
VS-VP1DTTRUO	VIASURE Viral **Dengue 1, 2, 3 & 4 Total** Positive Control Reagents (1)
VS-VP1CHIRUO	VIASURE Viral **Chikungunya** Positive Control Kit (1)
VS-VP1CHTRUO	VIASURE Viral **Chikungunya Total** Positive Control Reagents (1)
VS-VP1WNTRUO	VIASURE Viral **West Nile Virus Total** Positive Control Reagents (1)

(1) Research Use Only

How do these controls help you in the lab process?

Monitor instrument performance.

Improve the diagnostic process: verification of the quality of nucleic acid extraction, amplification, and detection processes.

Allow you to obtain **comparable results** between different assays and platforms.

Validate and verify different assays complying with **regulatory requirements.**

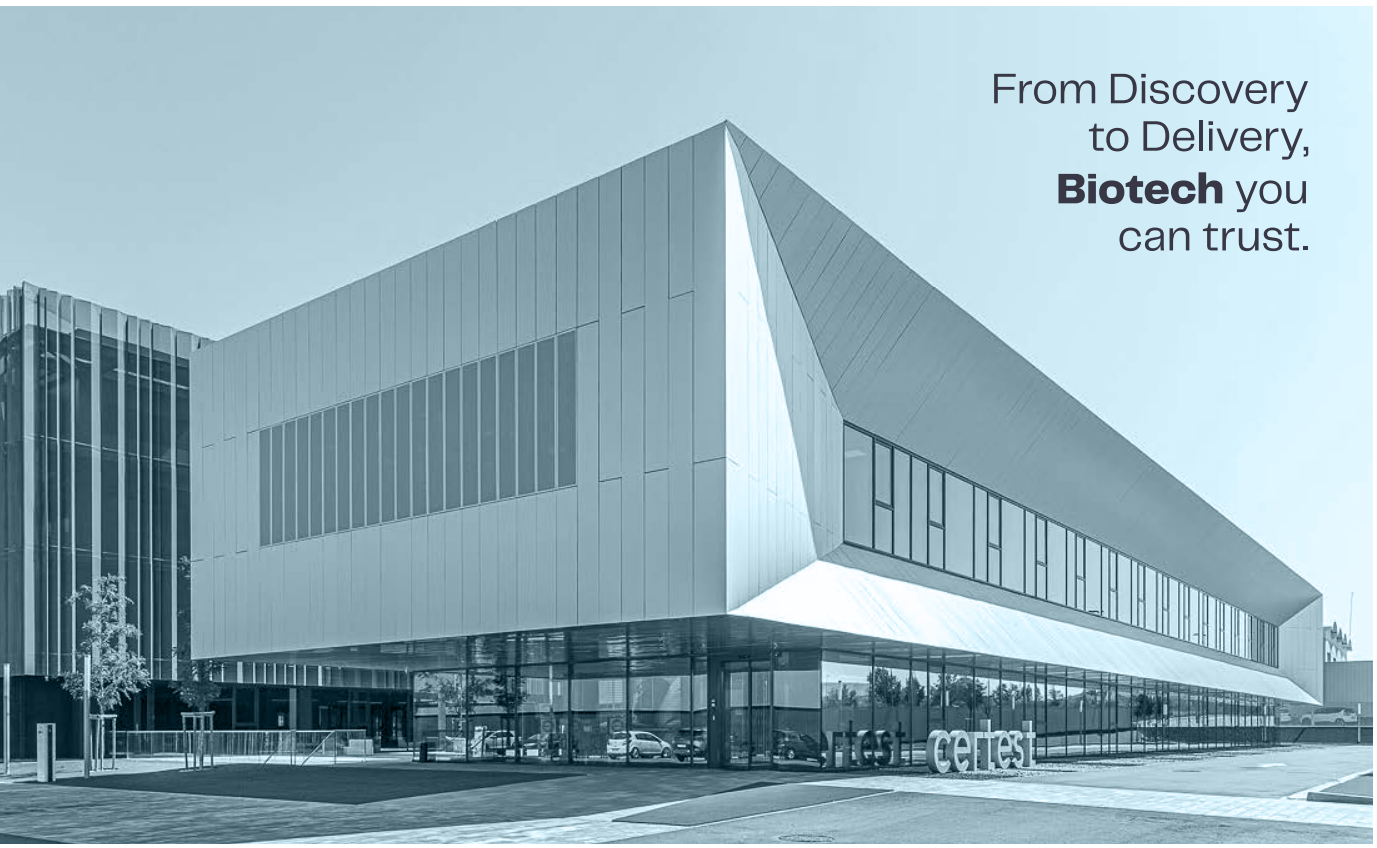
Powering Molecular Diagnostics

Lyophilized and Ready-to-Use Reagents

High Sensitivity and Specificity

User-Simplified Protocols

ISO 13485 certified CE-IVD/IVDR marked



VIASURE
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