

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



Different PCR kits, one thermal protocol



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

Molecular Diagnostics



Gastrointestinal infections



Respiratory infections



Tropical & Vector-Borne diseases



Sexual Health



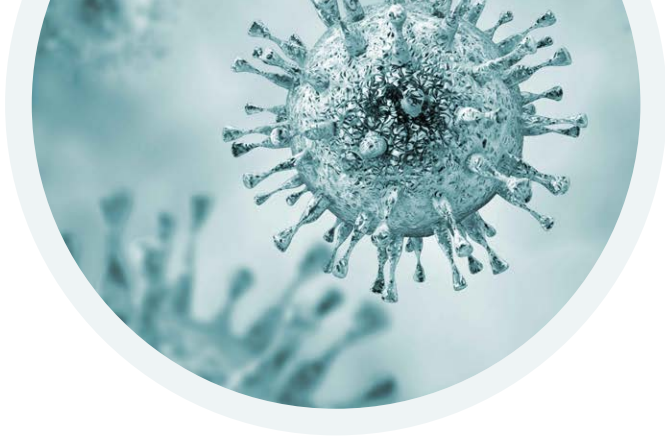
Immunosuppressed and Meningitis



Antimicrobial resistance

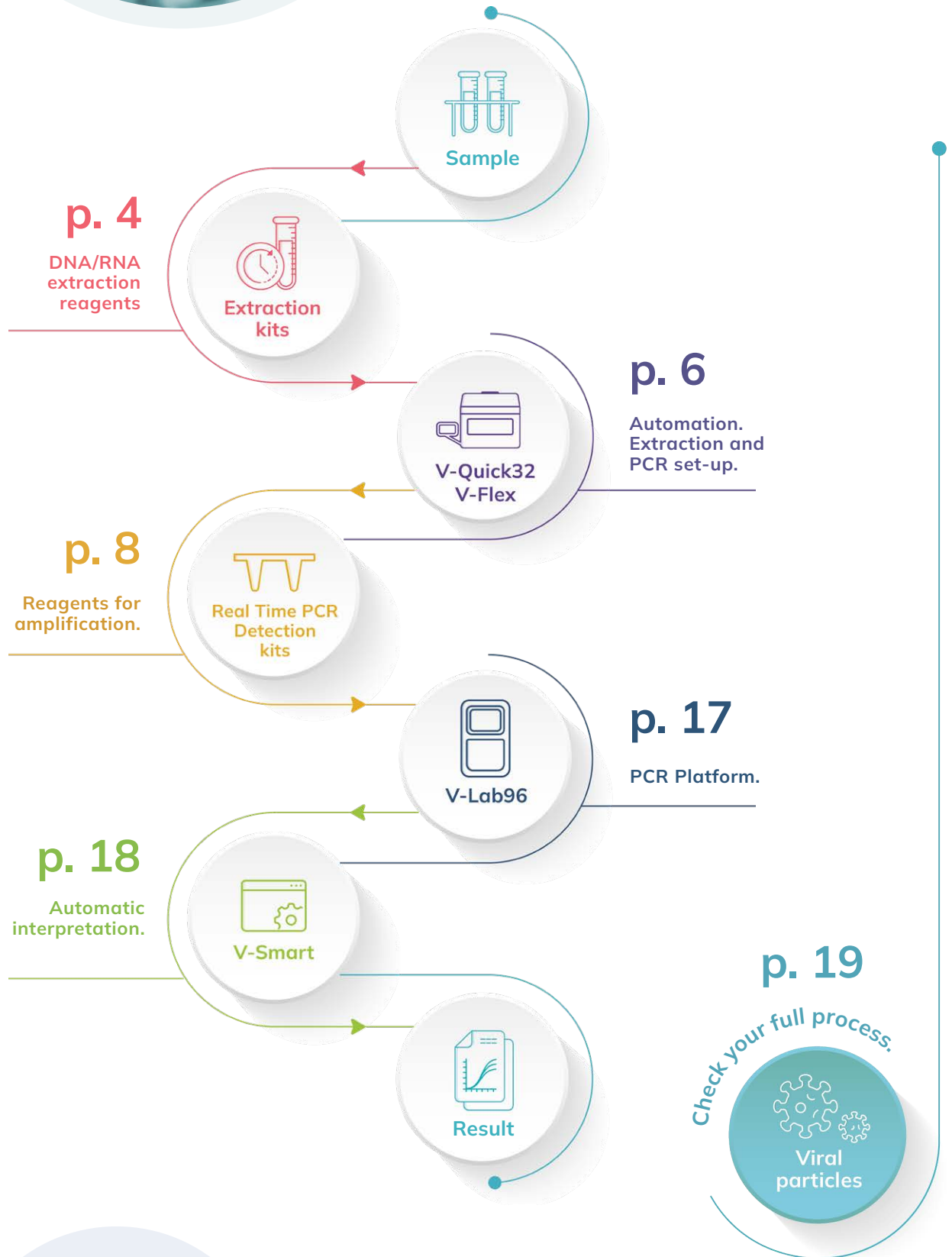


Human Genetics



VIASURE

Real-Time PCR Complete Solution



VIASURE Resp. viruses Quick Lysis Reagent

Lyophilised reagents in individualised vials for rapid cell lysis. Compatible with VIASURE Real Time PCR products, including SARS-CoV-2 detection kits.



Ready to use.



No freezing during transport and storage.



Quick sample processing
10 minutes.



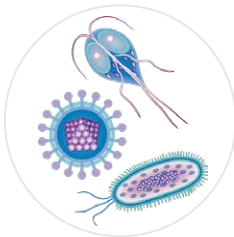
High Specificity and Sensitivity.

Detection up to 5 copies/qPCR reaction.



Compatible with:

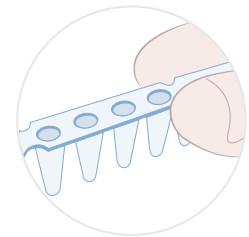
- **Nasopharyngeal** and **oropharyngeal** swabs
- **Saliva**



1 Sample collection



2 Rapid lysis:
RNA Release



3 Amplification

Reference	Description
VS-ERN0148	VIASURE Resp. viruses Quick Lysis Reagent, 4x12 tubes, 48 prep.

VIASURE Extraction Kits



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



Starting sample volume: 200 μ l
Elution volume: 100 μ l

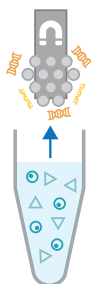


Magnetic beads technology



Simultaneous extraction of DNA and RNA from viruses, bacteria, parasites and fungi from different clinical samples.

**OPEN
FORMAT**



VIASURE DNA/RNA Pathogen Extraction Kit



Swabs, saliva, sputum, faeces and urine.

Reference	Description
VS-EAP0296OP	VIASURE DNA/RNA Pathogens Extraction Kit for Open Format, 96 prep

VIASURE Blood Pathogens Extraction Kit



Whole blood, serum, plasma, blood cultures and cerebrospinal fluid.

Reference	Description
VS-EAB0196OP	VIASURE Blood Pathogens Extraction Kit for Open Format, 96 prep

V-Quick32

Automatic nucleic acid extraction instrument



Integrated touchscreen
User friendly software



DNA/RNA **Universal**
Extraction Protocol



Fast extraction protocol:
Only 27 minutes



Highly efficient:
Based on magnetic
Beads technology



Flexible Capacity:
From 1 to 32 samples



VIASURE Universal Pathogens Extraction Kit for VIASURE V-Quick32



Ready to use reagents
with preloaded plates



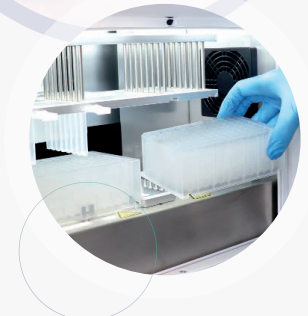
Compatible with a wide
range of sample types



Stable at **Room**
Temperature



Purification of viral,
bacterial, parasitic and
fungal **DNA and RNA**



Reference	Description
VS-EAU0196VQ	VIASURE Universal Pathogens Extraction Kit for VIASURE V-Quick32, 96 prep

V-Flex

Automated solution for nucleic acid extraction and PCR set-up



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



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



Easy and fully traceable sample handling



Full LIS compatibility and integration



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



DNA/RNA purification from a wide range of samples



Flexible configurations for different needs

V-Flex



VIASURE DNA/RNA Pathogens Extraction Kit for VIASURE V-Flex, 96 prep



Swabs, saliva, sputum, faeces, and urine.

VIASURE Blood Pathogens Extraction Kit for VIASURE V-Flex, 96 prep



Whole blood, serum, plasma, blood cultures, cerebrospinal fluid, fresh urine and STI swabs.

Reference

VS-EAP0296FX

Reference







VS-EAB0196FX

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	 48/96
Bacteria	AEY	Aeromonas + Yersinia enterocolitica	48/96
	CDA	Clostridium difficile toxins A+B	 48/96
	CLA	H. pylori + Clarithromycin resistance	 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	 48/96
	SCY	Salmonella, Campylobacter & Yersinia enterocolitica	 48/96
	Parasites	BLD	Blastocystis hominis + Dientamoeba fragilis
KGE		Cryptosporidium, Giardia & E. histolytica	 48/96

► Monoplex

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

(1) Research Use Only

One Thermal Protocol. More Targets. Less Time!

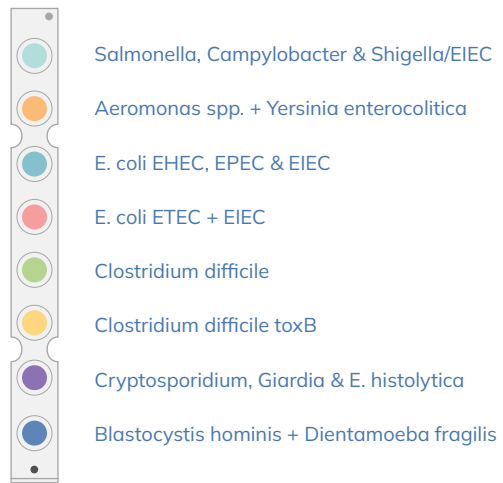


▶ Panels

GP01 | 12 tests



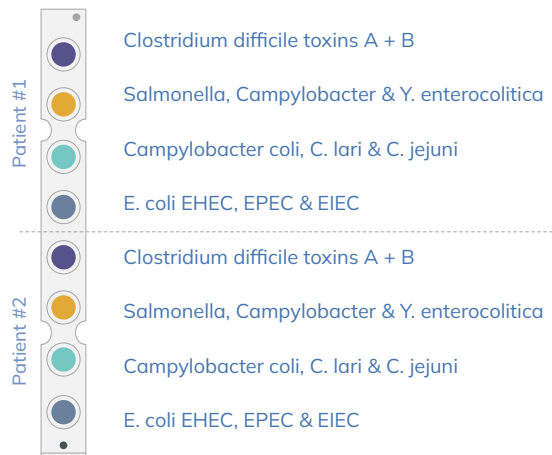
GP02 | 12 tests



GP03 | 24 tests



GP04 | 24 tests





Respiratory infections

► Multiplex

Type	Reference	Description	Tests
Virus	ABC	Flu A, Flu B & SARS-CoV-2	48/96
	ABR	Flu A, Flu B & RSV	48/96
	AMB	Adenovirus, Metapneumovirus & Bocavirus	48/96
	CFR	SARS-CoV-2, Flu & RSV	48/96
	COR	Coronavirus (229E, NL63, OC43 & HKU1)	48/96
	HXN	Flu Typing II (H1N1, H5N1, H3N2 & H7N9)	48/96
	H13	Flu Typing I (H1N1 + H3N2)	48/96
	IAB	Flu A + Flu B	48/96
	MER	MERS Coronavirus 1 + 2	24/48
	NCO2	SARS-CoV-2 (ORF1ab & N genes)	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)	24/48
	RHE	Rhinovirus + Enterovirus	48/96
	RMS	Measles + Rubella (1) NEW	48/96
Bacteria	RPA	Respiratory Viral Panel I (2 wells): (Flu A, Flu B & RSV) + (H1N1, H5N1, H3N2 & H7N9)	24/48
	RSV	RSV A + B	48/96
	BDT	Bordetella (B. pertussis, B. parapertussis & B. holmesii)	48/96
	CML	C. pneumoniae, M. pneumoniae & L. pneumophila	48/96
	HSM	H. influenzae, S. pneumoniae & M. catarrhalis	48/96
Fungi	MTD	M. tuberculosis complex + Non-tuberculosis mycobacteria	48/96
	ASP	Aspergillus differentiation (A. fumigatus, A. flavus, A. terreus)	48/96

► Monoplex

Type	Reference	Description	Tests
Virus	ADU	Adenovirus NEW	48/96
	HNV	Influenza A(H1N1)pdm09	48/96
Bacteria	GAS	Group A Streptococcus	48/96
	MTC	M. Tuberculosis complex	48/96
Fungi	JIR	Pneumocystis jirovecii (q)	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 | 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)	24/48
MAD	Malaria differentiation (2 wells): (P. malariae, P. knowlesi & P. ovale) + (P. falciparum + P. vivax)	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	48/96

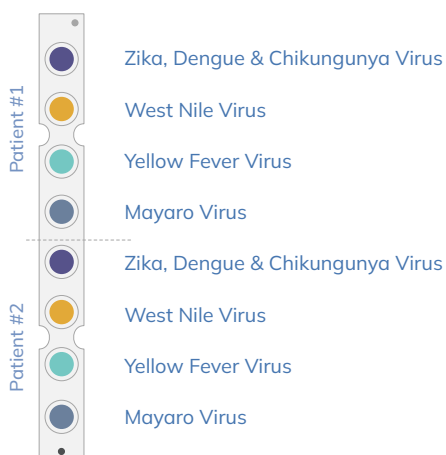
► Monoplex

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

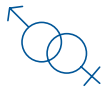
► Panel

TP01

| 24 tests






(q) Quantitative
(1) Research Use Only



Sexual health

Multiplex

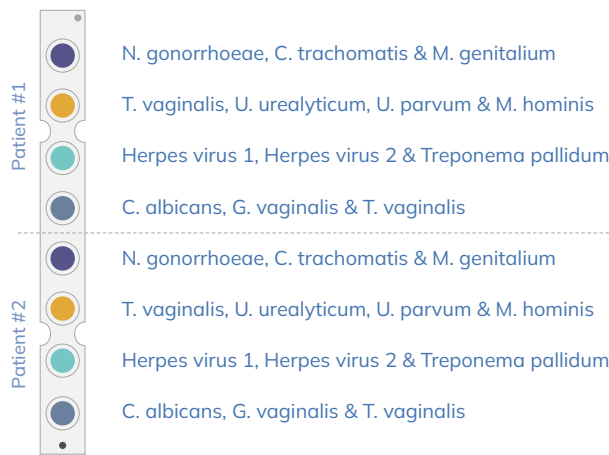
Reference	Description	Tests
CGT	C. albicans, G. vaginalis & T. vaginalis	48/96
CTN	N. gonorrhoeae + C. trachomatis	48/96
HHT	Herpes virus 1, Herpes virus 2 & Treponema pallidum	48/96
HPV	Human Papilloma Virus 16 + 18	48/96
HRP	High Risk Papilloma (2 wells): (16), (18) & (35/58/66) + (33/45/51), (52/59/68)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

Panels

SP01 | 24 tests



SP02 (1)  | 12 tests



(1) Research Use Only



Immunosuppressed and Meningitis

► Multiplex

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

► Monoplex

Type	Reference	Description	Tests
Virus	AVQ	Adenovirus (q) NEW	48/96
	BKQ	BK Virus (q)	48/96
	CMV	Cytomegalovirus (q)	48/96
	EBV	Epstein-Barr Virus (q)	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 (1) (q) NEW	48/96

► Panel

MP01

| 24 tests






(q) Quantitative (1) Research Use Only



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	48/96
CPE	Carbapenemase-producing Enterobacteriaceae (2 wells): (NDM + VIM) + (OXA, KPC & IMP)	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	 48/96
NCR	Neisseria gonorrhoeae ciprofloxacin resistant	 48/96
MGR	Macrolide resistance-associated mutations (23S rRNA)	 48/96

► Monoplex

Reference	Description	Tests
CAU	Candida auris	 48/96



Human Genetics

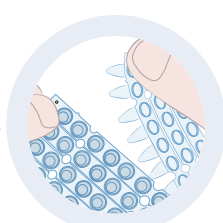
Expanded genetic disease portfolio



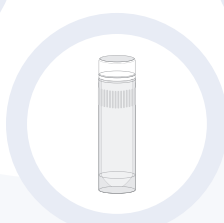
Reference	Description	Tests
CEL	HLA celiac (2 wells): (DQA1*05, DQB1*03:02, DQB1*02) & (DQA1*02, DQA1*03 & no DQB1*02)	24/48
FSD	Fetal Sex Determination (1) NEW	48/96
RNP	Control RNase P (1)	48/96
B27	HLA-B*27 (1) NEW	48/96

(1) Research Use Only

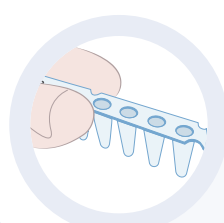
Available formats



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



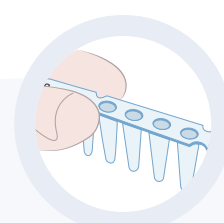
2ml Tube (Only for Multiplex and Monoplex Kits)



Low Profile strip (0,1 ml)



Rotor-Gene Tube



High Profile strip (0,2 ml)

How does Multiplex testing work?

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

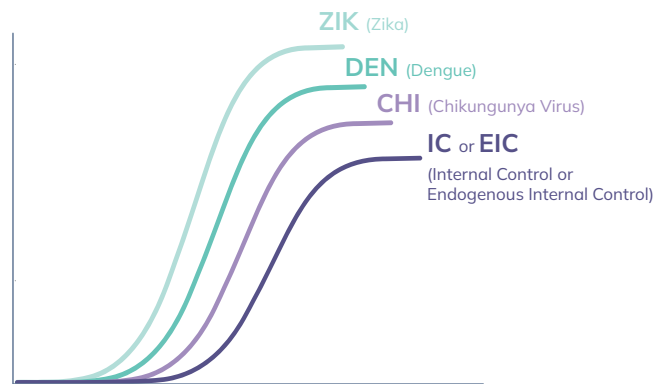


One sample



Multiple targets in the same PCR tube

ZDC



PCR Work flow



01

Add 15 μ l of rehydration buffer into each well.



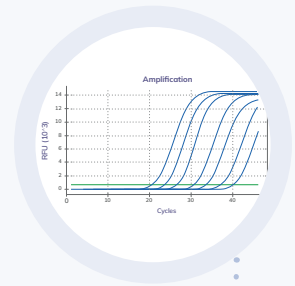
02

Add 5 μ l 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



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-Lab96

V-Smart

Automatic interpretation



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.



V-Smart

PCR platforms compatibility

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

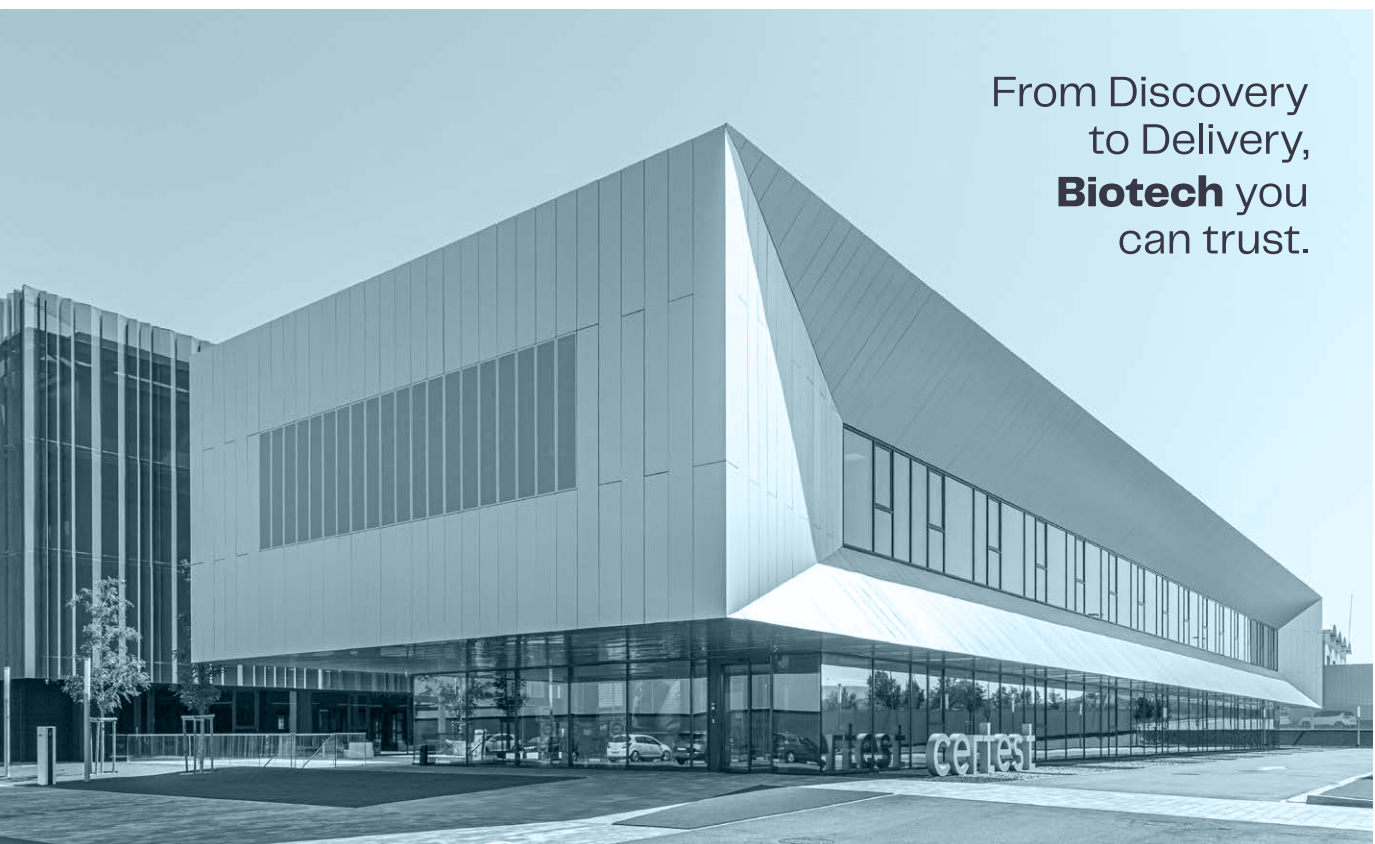
Powering Molecular Diagnostics

Lyophilized and
Ready-to-Use
Reagents

High Sensitivity
and Specificity

User-Simplified
Protocols

ISO 13485 certified
CE-IVD/IVDR marked

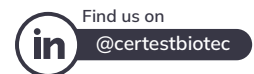


From Discovery
to Delivery,
Biotech you
can trust.

VIASURE
by **certest**

Certest Biotec, S.L.

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