

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



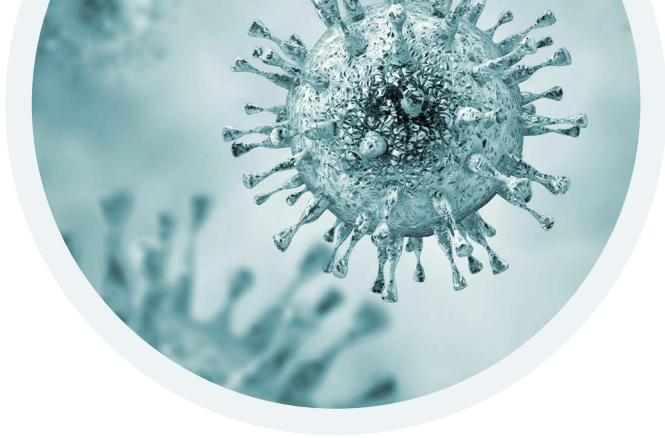
Immunosuppressed and Meningitis



Antimicrobial resistance

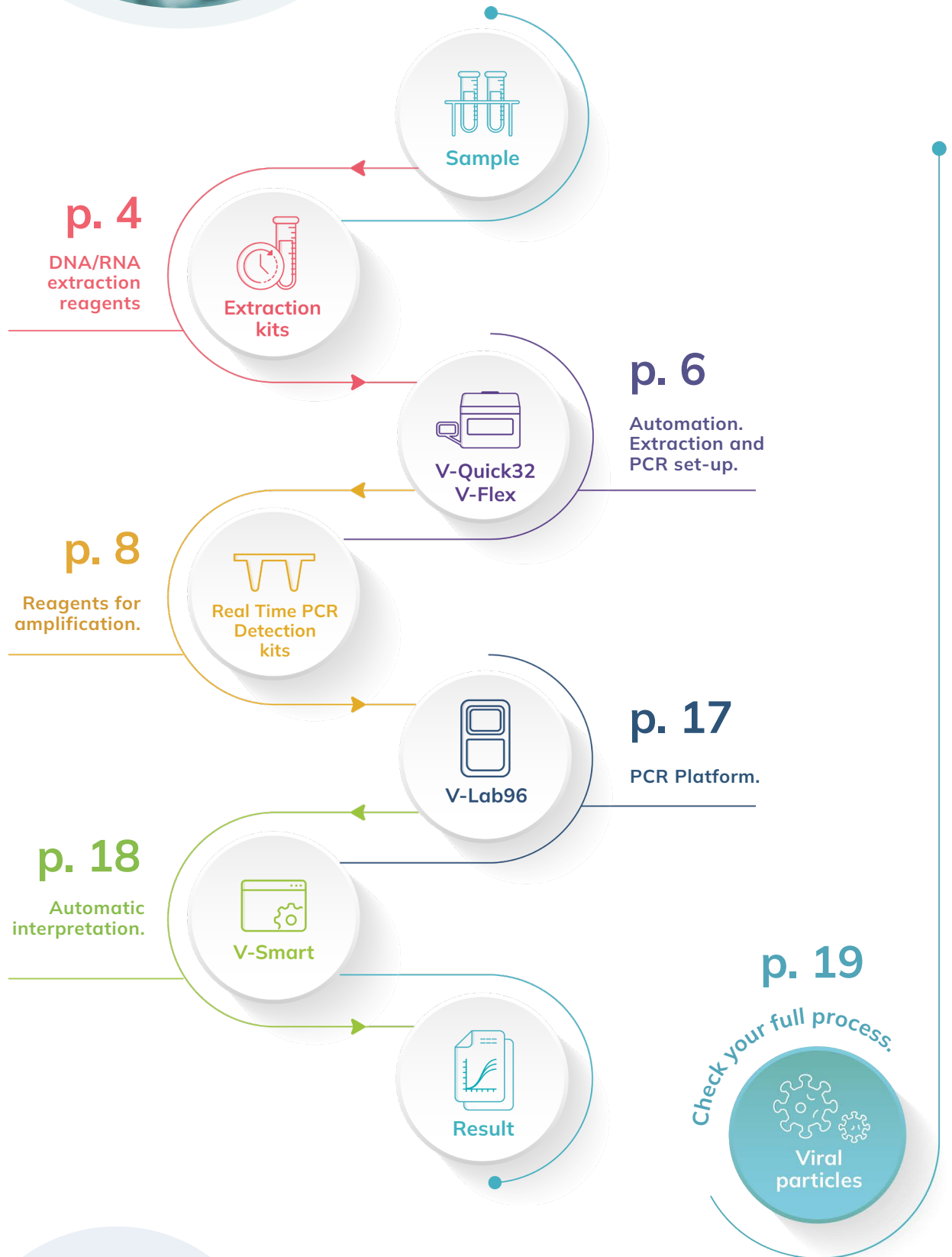


Human Genetics



VIASURE

RT-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.



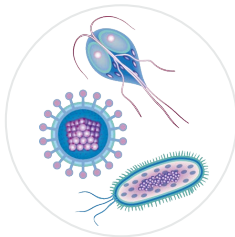
High Specificity and Sensitivity.

Detection up to 5 copies/qPCR reaction.



Compatible with:

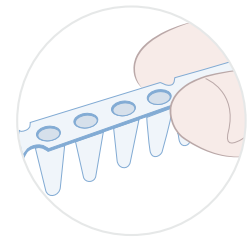
- **Nasopharyngeal** and **oropharyngeal** swabs
- **Saliva**



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 µl
Elution volume: 100 µl

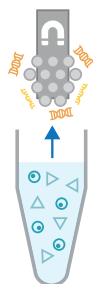


Magnetic beads technology



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-EAP02960P	VIASURE DNA/RNA Pathogens Extraction Kit for Open Format, 96 prep

VIASURE Blood Pathogens Extraction Kit



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

Reference	Description
VS-EAB01960P	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



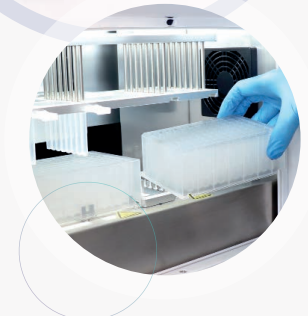
Compatible with a wide
range of sample types



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 hemocultures, 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
	AEY	Aeromonas + Yersinia enterocolitica	48/96
	CDA	Clostridium difficile toxins A+B	48/96
	CLA	H. pylori + Clarithromycin resistance	48/96
Bacteria	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 (1)	48/96
	ATV	Astrovirus	48/96
	NOG	Norovirus GI	48/96
	NOP	Norovirus GII	48/96
	RTV	Rotavirus	48/96
	SAV	Sapovirus	48/96
Bacteria	CAM	Campylobacter	48/96
	CDS	Clostridium difficile	48/96
	CIA	Clostridium difficile toxins A/B	48/96
	CTB	Clostridium difficile toxB	48/96
	PYR	Helicobacter pylori	48/96
	SAM	Salmonella	48/96
	SHY	Shigella/EIEC (Enteroinvasive Escherichia coli)	48/96
	YER	Yersinia enterocolitica	48/96
Parasites	DIE	Dientamoeba fragilis	48/96
	ETD	Entamoeba dispar	48/96
	ETH	Entamoeba histolytica	48/96
	GIA	Giardia lamblia	48/96
	KRY	Cryptosporidium	48/96

(q) Quantitative (1) Research Use Only

One Thermal Protocol. More Targets. Less Time!

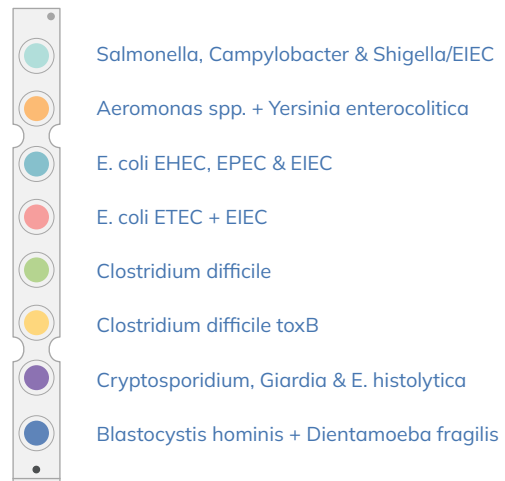


▶ Panels

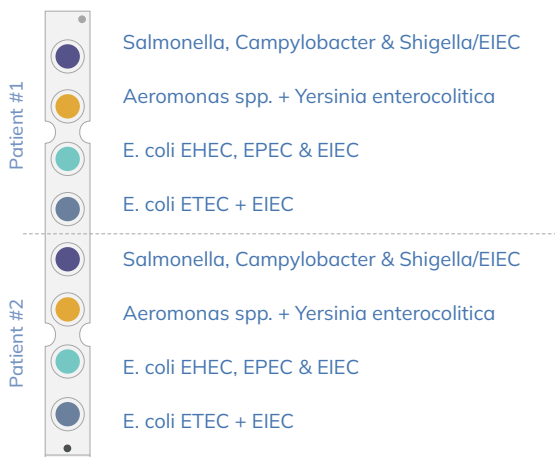
GP01 | 12 tests



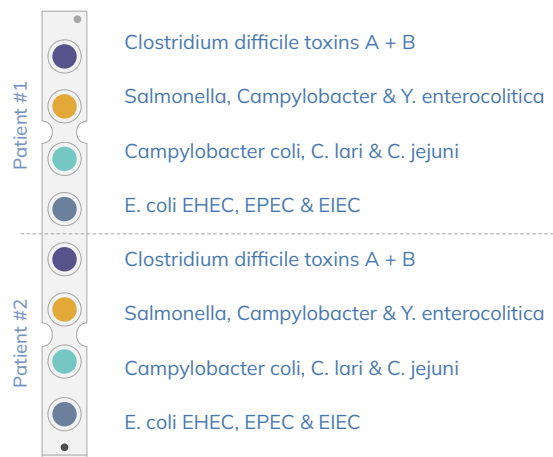
GP02 | 12 tests



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
RPA	Respiratory Viral Panel I (2 wells): (Flu A, Flu B & RSV) + (H1N1, H5N1, H3N2 & H7N9)	 24/48	
RSV	RSV A + B	 48/96	
Bacteria	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
	MTD	M. tuberculosis complex + Non-tuberculosis mycobacteria	48/96
Fungi	ASP	Aspergillus differentiation (A. fumigatus, A. flavus, A. terreus)	48/96

► Monoplex

Type	Reference	Description	Tests
Virus	ADU	Adenovirus (1) NEW	48/96
	BVS	Bocavirus	48/96
	HNV	Influenza A(H1N1)pdm09	48/96
	MPV	Human metapneumovirus	48/96
	RSA	RSV A	48/96
	RSB	RSV B	48/96
	YIA	Influenza A	48/96
	YIB	Influenza B	48/96
Bacteria	GAS	Group A Streptococcus 	48/96
	LGN	Legionella pneumophila	48/96
	MTC	M. Tuberculosis complex	48/96
Fungi	JIR	Pneumocystis jirovecii (q)	48/96

► 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

(q) Quantitative (1) Research Use Only









RP02 | 12 tests

-  Flu A + Flu B
-  RSV A + B
-  Flu Typing II (H1N1, H5N1, H3N2 & H7N9)
-  Adenovirus, Metapneumovirus & Bocavirus
-  Coronavirus (229E, NL63, OC43 & HKU1)
-  Parainfluenza 1 + 3
-  Parainfluenza 2 + 4
-  C. pneumoniae, M. pneumoniae & L. pneumophila

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








RP04 | 12 tests

-  Flu A + Flu B
-  Influenza H1N1
-  RSV A + B
-  Parainfluenza 1 + 3
-  Parainfluenza 2 + 4
-  Adenovirus, Metapneumovirus & Bocavirus
-  Rhinovirus + Enterovirus
-  Coronavirus (229E, NL63, OC43 & HKU1)









RP05 | 12 tests

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

(1) Research Use Only






Tropical & Vector-Borne transmission 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

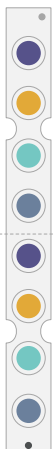
► Monoplex

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
	JEV	Japanese Encephalitis Virus	48/96
	MPX	Monkeypox Virus	 World Health Organization  48/96
	MYV	Mayaro Virus	48/96
	ORO	Oropouche virus (1) NEW	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

Patient #1



Patient #2

Zika, Dengue & Chikungunya Virus

West Nile Virus

Yellow Fever Virus

Mayaro Virus

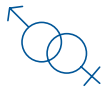
Zika, Dengue & Chikungunya Virus

West Nile Virus

Yellow Fever Virus

Mayaro Virus

(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

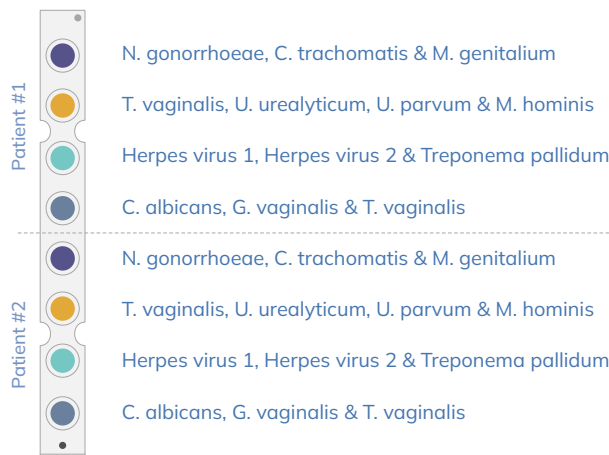


Monoplex

Type	Reference	Description	Tests
Bacteria	AVA	Atopobium vaginae (1)	48/96
	GBS	Streptococcus B	48/96
	LGV	C. trachomatis (LGV)	48/96
	TPA	Treponema pallidum	48/96

Panels

SP01 | 24 tests



SP02 (1) NEW | 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 (1) (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 (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 (1) NEW	48/96

Real Time PCR Detection kits



Human Genetics

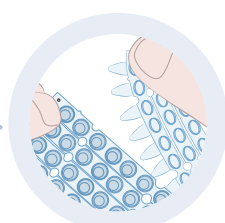
Expanded genetic disease portfolio



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

(q) Quantitative (1) Research Use Only

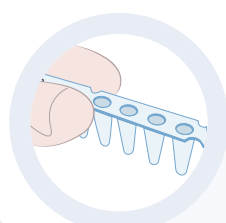
Available formats



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



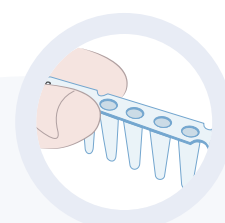
2ml Tube (Only for Multiplex and Monoplex Kits)



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.

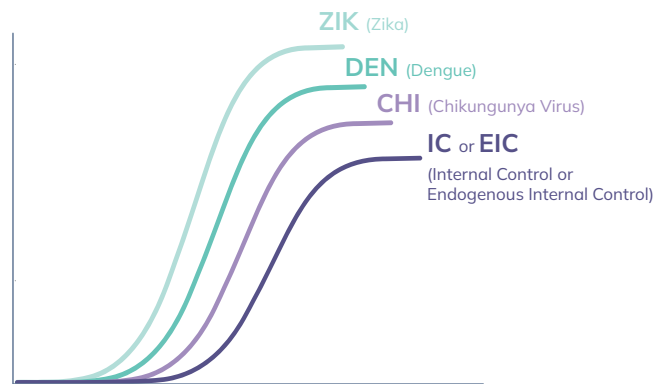


One sample



Multiple targets in the same PCR tube

ZDC



PCR Work flow



01

Add 15 μ L of rehydration buffer into each well.



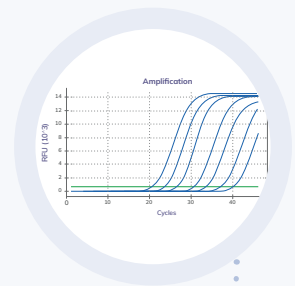
02

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.



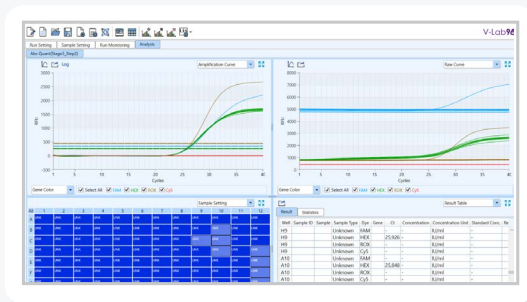
04

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-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



V-Smart



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-VP1DEB	VIASURE Viral Dengue 2 Positive Control Kit
VS-VP1DTTRUO	VIASURE Viral Dengue 1, 2, 3 & 4 Total Positive Control Reagents (1)
VS-VP1CHI	VIASURE Viral Chikungunya Positive Control Kit
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.



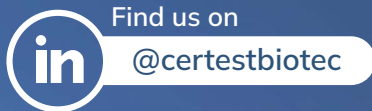
Improve the diagnosis process: nucleic acid extraction, amplification, and detection quality.



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



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



Find us on



@certestbiotec

VIASURE

by **certest**

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