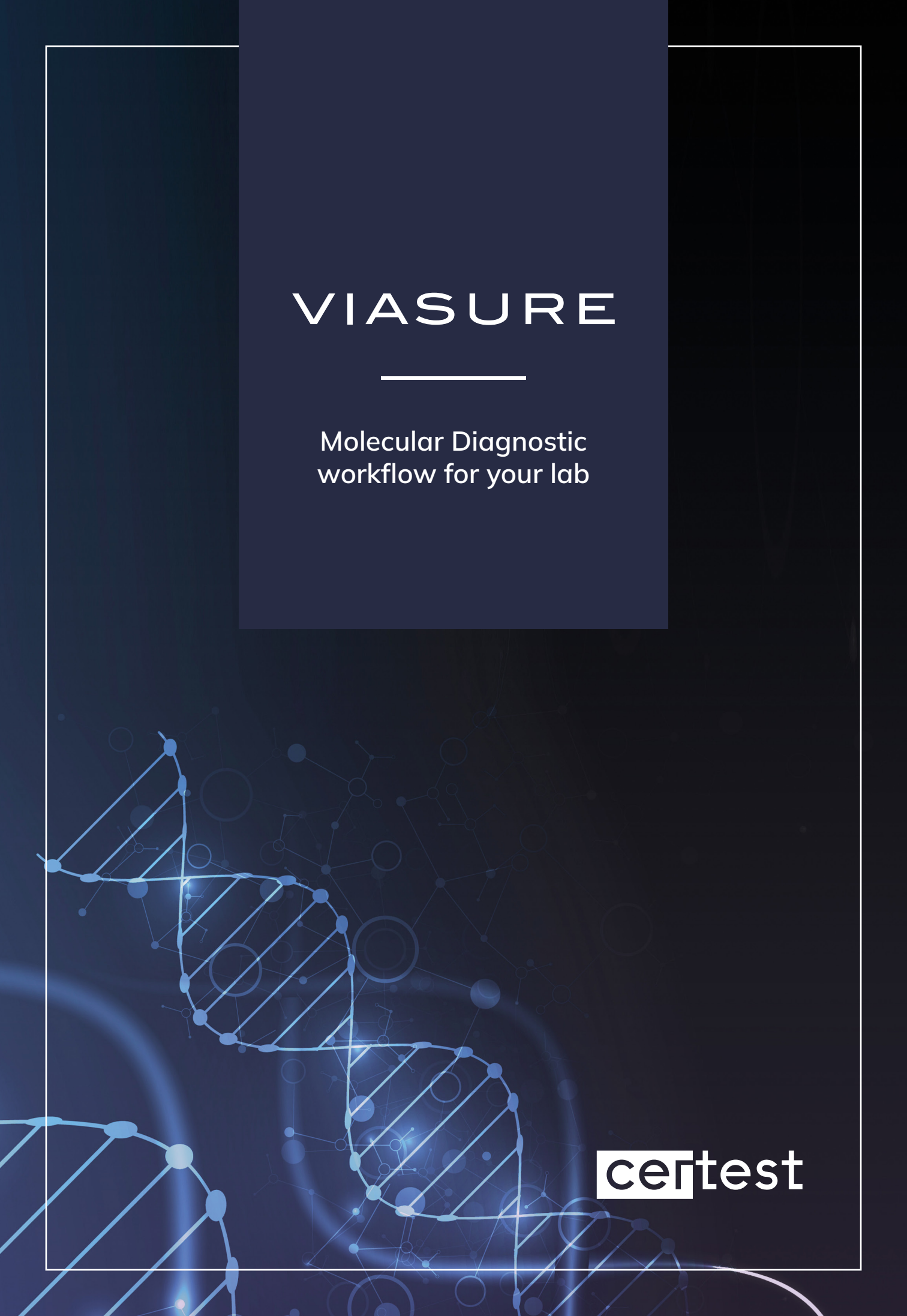


VIASURE

Molecular Diagnostic
workflow for your lab



certest



“Ready & Easy-to-use” kits.
Lyophilised reagents



Shipping and storage at room temperature.
Shelf-life:
24 months



Unique thermal protocol:
multiple parameters simultaneously in a single PCR



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

Molecular Diagnostics



Gastrointestinal infections



Respiratory infections



Antimicrobial resistance



Tropical & Vector-Borne transmission diseases



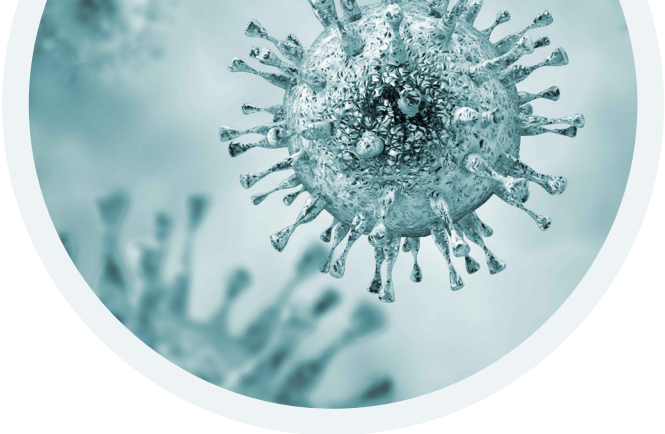
Sexual Health



Immuno-suppressed and Meningitis

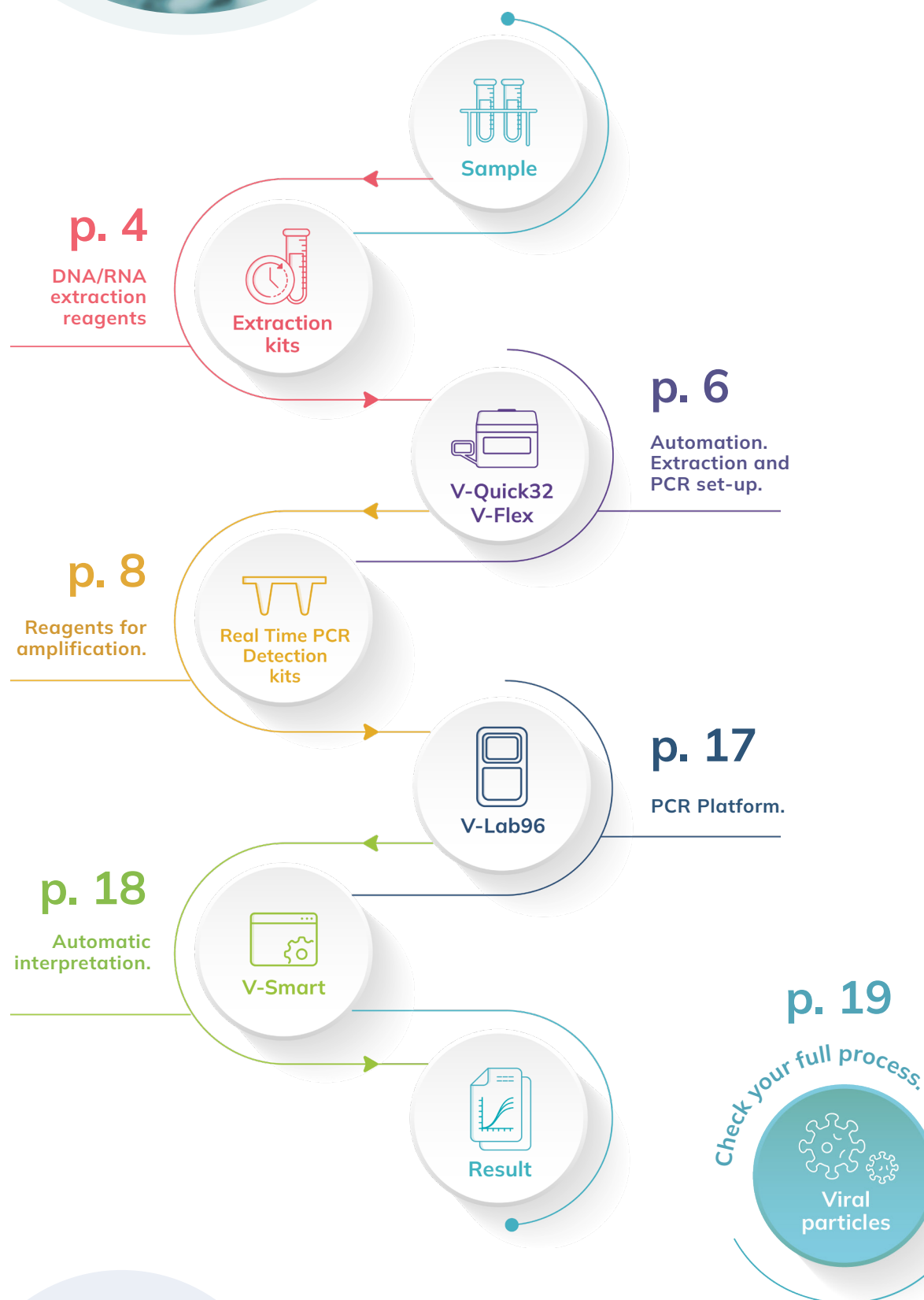


Non infectious diseases



VIASURE

Your tailored 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.



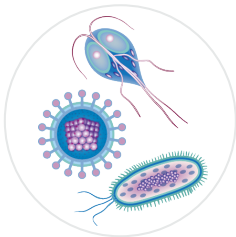
Quick sample processing 10 minutes.



High Specificity and Sensitivity.
Detection up to 5 copies/qPCR reaction.



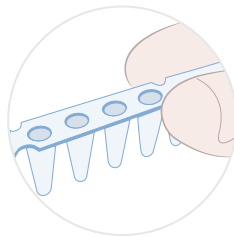
Compatible with:
• Nasopharyngeal and oropharyngeal swabs
• Saliva



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

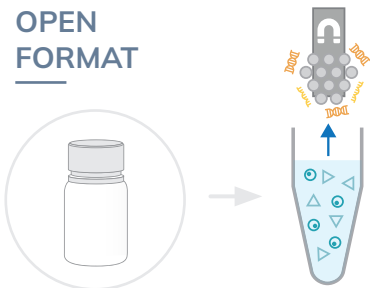


Magnetic beads technology



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-EAP0296OP	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-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

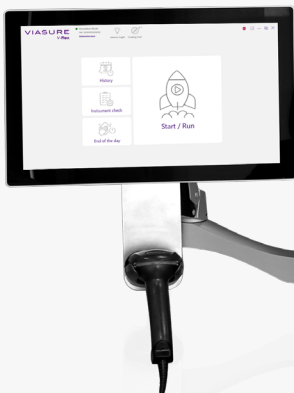


DNA/RNA purification from a wide range of samples



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 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	NOR	Norovirus GI + GII	 48/96
	AEY	Aeromonas + Yersinia enterocolitica	48/96
	CDA	Clostridium difficile toxins A+B	 48/96
Bacteria	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
	BLD	Blastocystis hominis + Dientamoeba fragilis	 48/96
	KGE	Cryptosporidium, Giardia & E. histolytica	 48/96

► Monoplex

Type	Reference	Description	Tests
Virus	ADV	Adenovirus	48/96
	ATV	Astrovirus	 48/96
	NOG	Norovirus GI	48/96
	NOP	Norovirus GII	48/96
	RTV	Rotavirus	 48/96
	SAV	Sapovirus	 48/96
	CAM	Campylobacter	48/96
Bacteria	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
	DIE	Dientamoeba fragilis	 48/96
Parasites	ETD	Entamoeba dispar	 48/96
	ETH	Entamoeba histolytica	 48/96
	GIA	Giardia lamblia	48/96
	KRY	Cryptosporidium	48/96

One Thermal Protocol. More Targets. Less Time!



► Panels

GP01 | 12 tests



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

GP02 | 12 tests



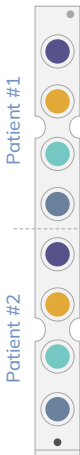
- Salmonella, Campylobacter & Shigella/EIEC
- Aeromonas spp. + Yersinia enterocolitica
- E. coli EHEC, EPEC & EIEC
- E. coli ETEC + EIEC
- Clostridium difficile
- Clostridium difficile toxB
- Cryptosporidium, Giardia & E. histolytica
- Blastocystis hominis + Dientamoeba fragilis

GP03 | 24 tests



- Patient #1
- Salmonella, Campylobacter & Shigella/EIEC
 - Aeromonas spp. + Yersinia enterocolitica
 - E. coli EHEC, EPEC & EIEC
 - E. coli ETEC + EIEC
- Patient #2
- Salmonella, Campylobacter & Shigella/EIEC
 - Aeromonas spp. + Yersinia enterocolitica
 - E. coli EHEC, EPEC & EIEC
 - E. coli ETEC + EIEC

GP04 | 24 tests



- Patient #1
- Clostridium difficile toxins A + B
 - Salmonella, Campylobacter & Y. enterocolitica
 - Campylobacter coli, C. lari & C. jejuni
 - E. coli EHEC, EPEC & EIEC
- Patient #2
- Clostridium difficile toxins A + B
 - Salmonella, Campylobacter & Y. enterocolitica
 - Campylobacter coli, C. lari & C. jejuni
 - E. coli EHEC, EPEC & EIEC

Real Time PCR Detection kits



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
	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	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

(q) Quantitative

► 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	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)



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
TBD	Tick Borne Diseases (3 wells): (Borrelia, Anaplasma & C. burnetii) + (Rickettsia, Babesia & Ehrlichia) + (TBEV)	24/48
ZDC	Zika, Dengue & Chikungunya Virus	48/96

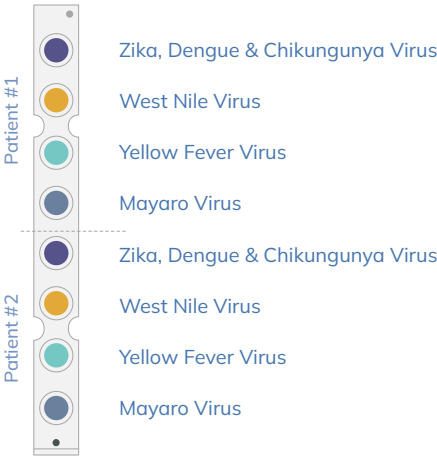
Monoplex

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	48/96
	MYV	Mayaro Virus	48/96
	WNV	West Nile Virus	48/96
Parasites	ZIK	Zika Virus	48/96
	CHA	Trypanosoma cruzi (Chagas)	48/96
	LEI	Leishmania	48/96
	MAL	Malaria (q)	48/96
	TGO	Toxoplasma gondii (1)	48/96

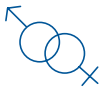
Panel

TP01

| 24 tests



(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 (1) NEW	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	
Patient #1		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	
Patient #2		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	
High Risk		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)	
Low Risk		Human Papillomavirus Genotyping (53, 52, 45)	
		Human Papillomavirus Genotyping (11, 70, 43)	
		Human Papillomavirus Genotyping (42, 40, 54)	
		Human Papillomavirus Genotyping (61, 44, 6)	

(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	48/96
	HHV	Human Herpes Virus 6, 7 & 8	48/96
	MEP	Mumps, Enterovirus & Parechovirus	48/96
	NEU	Adenovirus, CMV, EBV & Parvovirus B19 (1)	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	BKQ	BK Virus (q)	48/96
	CMV	Cytomegalovirus (q)	48/96
	EBV	Epstein-Barr Virus (1) (q)	48/96
	HBV	Hepatitis B Virus (1) (q)	48/96

Panel

MP01 (1)

| 24 tests



Non infectious diseases

Multiplex

Reference	Description	Tests
CEL	HLA celiac (2 wells): (DQA1*05, DQB1*03:02, DQB1*02) & (DQA1*02, DQA1*03 & no DQB1*02)	24/48
RNP	Control RNase P (1)	48/96

(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

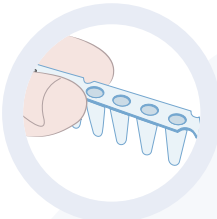


Genetic diseases

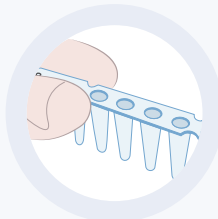
Available formats



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.

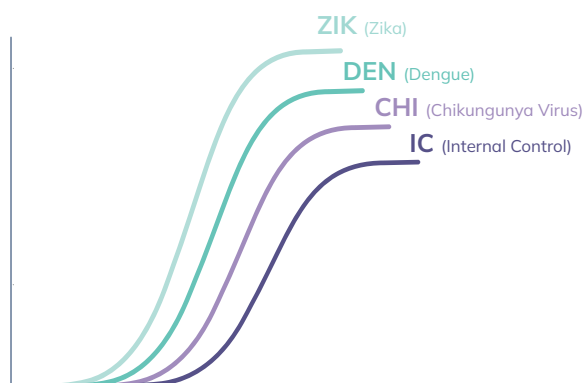


One sample



Multiple targets
in the same
PCR tube

ZDC



PCR Work flow



01

Add 15 μ L of rehydration buffer into each well.



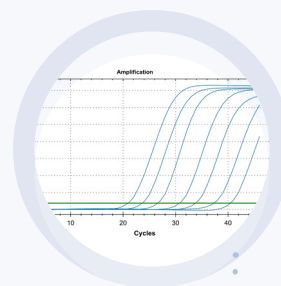
02

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.



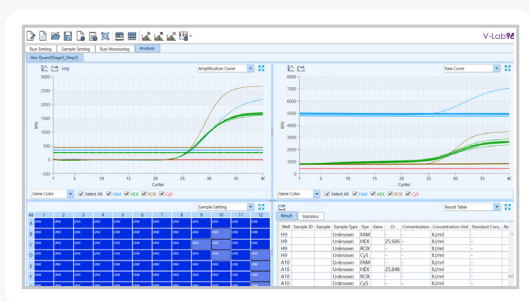
04

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



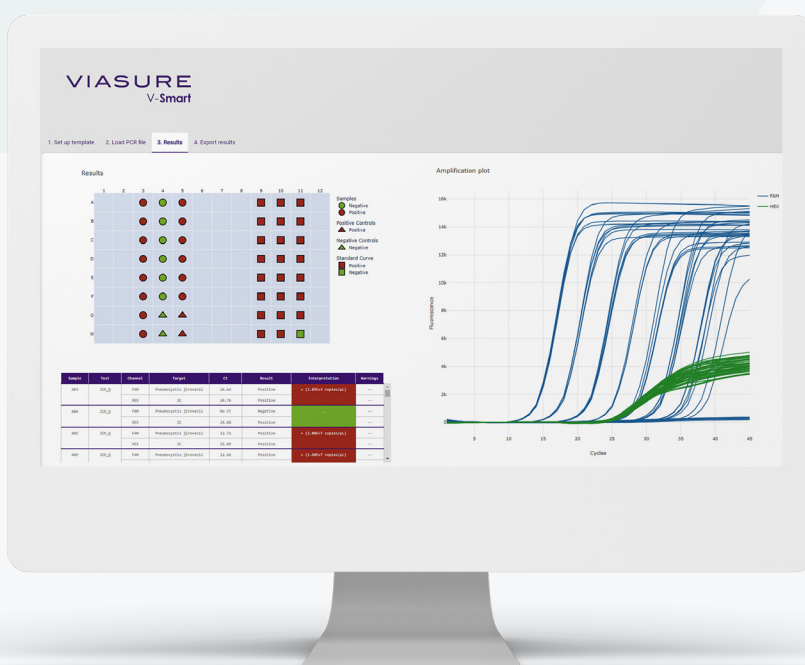
Artificial Intelligence based.
Automatic results PCR
interpretation



Big Range of compatible
thermocyclers



LIS connection
& Report



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.



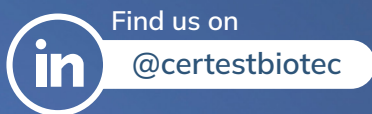
Improve the diagnosis process: nucleic acid extraction, amplification, and detection quality.



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



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



VIASURE

by **certest**

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50840, San Mateo de Gállego, Zaragoza (Spain)
Tel. (+34) 976 520 354
salesmdx@certest.es · www.certest.es

VIASURE/GEN-0525EN

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