



VIASURE REALTIME PCR DETECTION KITS

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East Diagnostics

VIASURE Resp. viruses Quick Lysis Reagent



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

Compatible with VIASURE Real Time 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:



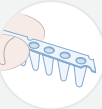
1. Sample collection:

- 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.

 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
Parasites	CDA	Clostridium difficile toxins A+B
	KGE	Cryptosporidium, Giardia & E. histolytica
	BLD	Blastocystis hominis + Dientamoeba fragilis

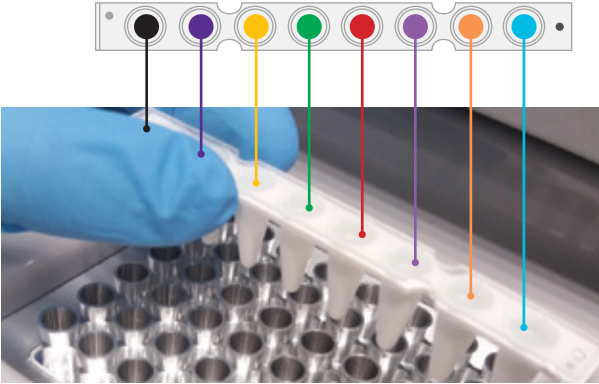
2. Monoplex

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

3. Gastrointestinal Panels

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

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, OC43 & 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, E484V)
	VAO	SARS-CoV-2 Variant III (Q954H, A2170T)
	ERNCO2	Quick SARS-CoV-2 (Resp. Viruses Quick Lysis + SARS-CoV-2)
Bacteria	BDT	Bordetella (B. pertussis, B. paraptussis & B. holmesii)
	CML	C. pneumoniae, M. pneumoniae & L. pneumophila
	HSM	H. influenzae, S. pneumoniae & M. catarrhalis
	MTD	M. Tuberculosis complex + Non-tuberculosis mycobacteria
Fungi	ASP	Aspergillus differentiation

3. Respiratory Panels

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

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
Bacteria	RSB	RSV B
	LGN	Legionella pneumophila
	MTC	M. Tuberculosis complex
Fungi	GAS	Group A Streptococcus
	JIR	Pneumocystis jirovecii (q)

Workflow

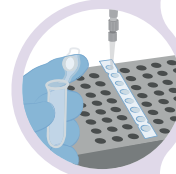
01

Add 15 µl of rehydration buffer into each well.



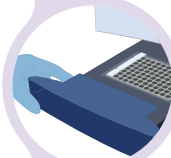
02

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



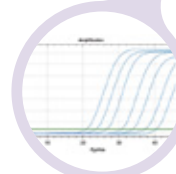
03

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



04

Analysis of results.





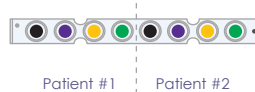
Tropical & Vector-Borne transmission diseases

1. Multiplex

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)

3. Tropical Panel

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



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
Parasites	JEV	Japanese Encephalitis Virus
	MPX	Monkeypox Virus
	CHA	Trypanosoma cruzi (Chagas)
	MAL	Malaria (q)
	LEI	Leishmania
	TGO	Toxoplasma gondii



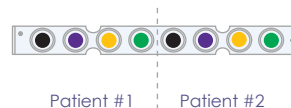
Sexual health

1. Multiplex

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

3. Sexual health Panel

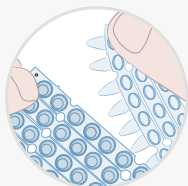
Targets	SP01
N. gonorrhoeae, C. trachomatis & M. genitalium	●
T. vaginalis, U. urealyticum, U. parvum & M. hominis	●
Herpes virus 1, Herpes virus 2 & Treponema pallidum	●
C. albicans, G. vaginalis & T. vaginalis	●



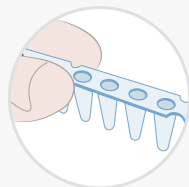
2. Monoplex

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

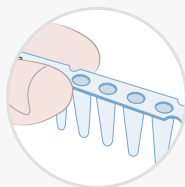
Available formats:



**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)

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