

VitaSIRO soloTM

SARS-CoV-2/Flu/RSV Assay

Diagnose Respiratory Infections in 40 minutes.

Face the challenge of differentiating respiratory infections confidently with our VitaSIRO soloTM Point-of-Care Testing solution.

Credo Diagnostics' latest innovation integrates nucleic acid extraction and real-time Polymerase Chain Reaction in an automated, seamless workflow to give you results within 40 minutes[^]. The unique patented microfluidic cartridge allows laboratory and healthcare professionals to test for SARS-CoV-2, Flu A/B and RSV with a single specimen, both accurately and intuitively. The multiplex respiratory assay kit features both speed and sensitivity, enabling faster and informed medical decision-making in both adults and children with severe respiratory symptoms.





The screenshot shows the VitaSIRO solo software interface. At the top, it displays the date and time: 2023/01/01 12:30. The interface is divided into two main sections: 'Test information' and 'Result'.

Test information:

- Product Kit: SC2/Flu/RSV
- Lot number: 23B19
- Patient ID: 12345678912345
- User ID: Admin

RFU & Ct:

Target	RFU	Ct
Flu A	1522	(25)
Flu B	0	(00)
SARS-CoV-2	0	(00)
RSV	0	(00)
IC	765	(35)

Result:

Target	Result
Flu A	+
Flu B	-
SARS-CoV-2	-
RSV	-

At the bottom right, there is a 'New Test' button and a status bar indicating 'Printer' and 'VitaDataLink' are active.

Gene Targets

SARS-COV-2	INFLUENZA A	INFLUENZA B	RSV
Nucleocapsid (N) gene	Matrix (M) gene	Non-structural (NS) gene	Nucleocapsid (NC) gene

Detection of Variants

Credo Diagnostics Biomedical Pte. Ltd. continuously monitors the sequences of respiratory viruses listed in the major databases GISAID*, NCBI*, and BV-BRC* to provide confidence by tracking new emerging variants and broad subtypes. Based on BLASTn analysis comparing primers and probes of the SARS-CoV-2/Flu/RSV Assay, its performance is not impacted by the variants and subtypes listed below.

SARS-CoV-2

Omicron subvariants

- B.1.1.529
- BA.1, BA.2, BA.3, BA.4, BA.5 (BQ.1.1 and BF.7)
- XBB, XBB.1.5, XBB.1.16, XBB.1.9.1

Previously circulating

- Alpha variant: B.1.1.7
- Beta variant: B.1.351
- Gamma variant: P.1
- Delta variant: B.1.617.2
- Epsilon variant: B.1.427, B.1.429
- Zeta variant: P.2
- Eta variant: B.1.525
- Iota variant: B.1.526
- Kappa variant: B.1.617.1
- Lambda variant: C.37
- Mu variant: B.1.621

Influenza A

Subtypes

- H1N1
- H3N2
- H7N9
- H5N1
- H3N8

Variants

- H1N1 pdm09 variants¹
- H3N2 variants: seven variants belong to clade 3C.2a1b.2a.2 and one variant belongs to clade 3C.2a1b.1a as listed in the Danish published study²

* Global Initiative on Sharing All Influenza Data | National Center for Biotechnology Information | Bacterial and Viral Bioinformatics Resource Center

References:

- The Medicines and Healthcare Products Regulatory Agency (MHRA) is aware of an emerging H1N1pdm09 influenza clade (6B.1A.5a.2 and 6B.1A.5a.1) that is circulating in the UK.
- Emergence of circulating influenza A H3N2 viruses with genetic drift in the matrix gene: be alert of false-negative test results. APMIS. 2022 Oct;130(10):612-617

Ordering Information

Product Name	Product Code	Quantity
VitaSIRO solo™ Instrument	PCRAC1101	1
VitaSIRO solo™ SARS-CoV-2/Flu/RSV Assay	PCRAD1102	10

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^AVersion: June 2023 | Information is accurate at the time of printing.