

Panther Fusion® SARS-CoV-2/Flu A/B/RSV Assay

■ Four results in one test on a high-throughput, fully automated, platform.

The respiratory test you've been waiting for. CDC encourages laboratories to consider adoption of a multiplexed method during respiratory season, offering diagnosis of overlapping signs and symptoms.¹

■ Seasonal respiratory patterns have become unpredictable, necessitating scalable automation.

■ COVID-19 and respiratory surges affect testing workflow and staffing.²

■ Multiplex respiratory testing can lessen burden on the lab, saving both time and resources.¹

■ SARS-CoV-2, influenza A, influenza B and RSV in one test from a single patient sample.

Each year, patients and labs are greatly impacted by these pathogens:



COVID-19 Pandemic:
Over **100 million** illnesses and over **5.9 million** hospitalizations.³



FLU:
up to **41 million** illnesses, **710,000** hospitalization⁴



RSV:
reported **57,000** children, **177,000** elderly illnesses⁵



Is It COVID-19, Flu or RSV?

Including COVID-19 with your Flu A, Flu B, and RSV testing provides a crucial testing solution since many of the common symptoms associated with these infections are similar. Testing for these four pathogens concurrently is essential to patient management, as accurate detection leads to effective triaging and treatment, and helps guide infection prevention strategies and provides epidemiologic monitoring.

Get accurate results fast. Prepare for unpredictable respiratory surges with the fully-automated Panther Fusion® SARS-CoV-2/Flu A/B/RSV assay and reduce hands-on time with ready-to-use reagent cartridges.



■ Increase throughput with random and continuous access automation, processing up to 335 Panther Fusion® samples in an 8-hour shift and >1000 in 24 hours.⁶

■ Detect additional common respiratory viruses from a single sample with flexible testing algorithms, unique to the Panther Fusion® respiratory portfolio.

■ Assay design provides comprehensive strain coverage and the ability to mask any result; positive results include Ct values

■ Maximize laboratory and economic efficiencies with full sample-to-result automation, ready-to-use reagents and 60-day onboard stability.

Assay Performance Characteristics⁶

For the qualitative detection and differentiation of SARS-CoV-2, Flu A, Flu B, and RSV in nasopharyngeal samples.

Analyte	Prospective		Retrospective	
	PPA	NPA	PPA	NPA
SARS-CoV-2	96.9%	98.5%	N/A	N/A
Flu A	98.4%	99.7%	93.1%	100%
Flu B	NC	99.8%	95.5%	100%
RSV	84.6%	100%	100%	100%

See PI for complete Clinical Performance.

Simplified Workflow with

Directly load samples collected with the RespDirect™ Collection Kit alongside specimen types for other assays with true random and continuous access.

- ✓ No uncapping
- ✓ No sample transfer
- ✓ Inactivate sample

RespDirect™ Collection Kit

The Panther Fusion SARS-CoV-2/Flu A/B/RSV Assay has also been cleared with UTM/VTM.

References: **1.** CDC. 07/21/2021: Lab Alert: Changes to CDC RT-PCR for SARS-CoV-2 Testing. https://www.cdc.gov/ocs/2021/07-21-2021-lab-alert-changes_cdc_rt-pcr_sars-cov-2_testing_1.html. Accessed August 11, 2022. **2.** CDC. Surge Mitigation in Healthcare. <https://www.cdc.gov/coronavirus/2019-ncov/hcp/surge-mitigation.html>. Last Reviewed February 8, 2021. Accessed August 11, 2022. **3.** CDC. COVID Data Tracker. <https://covid.cdc.gov/covid-data-tracker/#data-tracker-home>. Accessed February 27, 2023. **4.** CDC. Burden of Influenza. <https://www.cdc.gov/flu/about/burden/index.html>. Accessed August 11, 2022. **5.** CDC. Respiratory Syncytial Virus Infection (RSV). Trends and Surveillance. <https://www.cdc.gov/rsv/research/us-surveillance.html>. Last reviewed June 26, 2018. Accessed August 5, 2019. **6.** Data on file. **7.** Panther Fusion SARS-CoV-2/Flu A/B/RSV [package insert]. AW-27555. San Diego, CA; Hologic, Inc. 2023.

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