

High Sensitivity SARS-CoV-2 Testing

PCR DIRECT Swab Extraction Reagents were used to extract viral RNA from contrived clinical swab samples; NP swab samples were collected from healthy donors and spiked with heat-inactivated SARS-CoV-2 virus.

***900 copies per swab with PCR DIRECT® Swab Extraction Reagent.**

Limit of Detection equivalent to:

Volume of UTM/VTM/Saline	No of Copies per ml
1ml	900
2ml	450
3ml	300

Swab samples were processed with PCR DIRECT Swab Extraction Reagents and tested via qRT-PCR (CDC N1 assay). Reliable, consistent, detection was observed at 900 viral copies per swab, which indicate that PCR DIRECT Swab Extraction Reagents can form part of high sensitivity testing workflows.

As a control, human RNA was also detected in the same swab samples using the CDC human RNaseP assay.

All results generated using Thermo Fisher Taqman Fast Virus 1-Step Master Mix.

Our PCR DIRECT Swab Extraction Reagent

- Simplifies and accelerates the processing of dry swabs, with non-hazardous chemicals.
- Are automatable and scalable and can be used in high throughput sample processing labs.
- Suitable for a range of swab types including flocced swab or NP-OP swabs.