

Performance of Detection Methods Over Time*

Sensitivity Scores, Days Post-Symptom Onset

	Day 1 – 7	Day 8 – 14	Day 15 – 39
RNA	66.7	54.0	45.5
Total Ab	38.3	89.6	100.0
IgM	28.7	73.3	94.3
IgG	19.1	54.1	79.9
RNA + Ab	78.7	97.0	100.0

*From Zhao, J, *et al.* Antibody responses to SARS-CoV-2 in patients of novel coronavirus disease 2019
medRxiv preprint doi:<https://doi.org/10.11101/2020.03.02.20030189>

SARS-CoV-2 NAT Available within NM

Assay	Turnaround Time	Sample	Analytical Sensitivity	Clinical "Sensitivity"
CDC 2019-nCoV RT-PCR on Quant Studio (NMH)	24 hours	<ul style="list-style-type: none"> NP Swab in VTM BAL/NBBAL 	LOD = 100 copies/mL	100% against specimens sent to IDPH
Cepheid Xpert® Xpress SARS-CoV-2 (All Regions)	2 hours	<ul style="list-style-type: none"> NP Swab in VTM BAL/NBBAL 	LOD = 250 copies/mL	100% against NMH in-house PCR*
Abbott ID Now (All regions)	30 minutes	<ul style="list-style-type: none"> Dry NP Swab in empty tube 	LOD = 125 copies/mL	87.9% against Cepheid with NP swab*
Becton Dickinson 'BD Max' SARS-CoV-2 test (NMH)	6 hours	<ul style="list-style-type: none"> NP Swab in VTM BAL/NBBAL 	LOD = 200 copies/mL	100% against NMH in-house PCR*
Hologic Panther SARS CoV-2 NAAT (CDH)	24 hours	<ul style="list-style-type: none"> NP Swab in VTM Nasal swab collected in Aptima Multitest Swab Collection Kit Throat collected in Aptima Multitest Swab Collection Kit 	LOD = 100 copies/mL	100% against Cepheid with NP and Nasal swab* 95% against Cepheid by throat swab*

Specificity of all of the nucleic amplification tests is >98%