

SUPPLEMENTARY TABLE 2. Research assays by surveillance season and study site, New Vaccine Surveillance Network, December 2016 – August 2021, United States*

Surveillance season	Nashville	Rochester	Cincinnati	Seattle	Houston	Kansas City	Pittsburgh
Respiratory pathogen research assays							
2016–2017	in-house 1-step rRT-PCR	TAC	Luminex NxTAG RPP	BioFire Respiratory Pathogen Panel	in-house 1-step rRT-PCR	Luminex NxTAG RPP RUO	in-house 1-step rRT-PCR
2017–2018	ABI StepOnePlus RT-PCR	TAC	Luminex NxTAG RPP	BioFire Respiratory Pathogen Panel	in-house 1-step rRT-PCR	Luminex NxTAG RPP RUO	in-house 1-step rRT-PCR
2018–2019	ABI StepOnePlus RT-PCR	TAC	Luminex NxTAG RPP	BioFire Respiratory Pathogen Panel	in-house 1-step rRT-PCR	Luminex NxTAG RPP RUO	In-house 1-step rRT-PCR
2019–2020	ABI StepOnePlus RT-PCR	TAC	Luminex NxTAG RPP	BioFire Respiratory Pathogen Panel	in-house 1-step rRT-PCR	Luminex NxTAG RPP RUO	in-house 1-step rRT-PCR
2020–2021	in-house 1-step rRT-PCR	TAC	Luminex NxTAG RPP	BioFire Respiratory Pathogen Panel	in-house 1-step rRT-PCR	Luminex NxTAG RPP RUO	in-house 1-step rRT-PCR (StepOnePlus / QuantStudio 5)
SARS-CoV-2 research and clinical assays							
SARS-CoV-2 Research Assay	CDC EUA	CDC EUA	CDC EUA	CDC EUA, TaqMan Open Array, Hologic Panther	CDC EUA	Hologic APTIMA	CDC EUA
SARS-CoV-2 Clinical Assay	CDC assay, Genmark eplex, Diasorin Simplex, Biofire Monoplex, Cepheid monoplex, Roche 6800, Hologic Panther, Abbott IDNOW	Roche 8800, Cepheid GeneXpert, Diasorin Molecular, ThermoFisher COVID Multiplex, BDMax, Hologic Panther	Lab-developed test using the ABI7500, DiaSorin Simplexa, ThermoFisher TaqPath, BioFire Respiratory Panel	Lab-Developed Test, Hologic Panther, Cepheid monoplex	Altona RealStar, Hologic Aptima, GeneXpert SARS-CoV-2, GeneXpert Flu/RSV/SARS, Diasorin Simplexa, BioFire SARS-CoV-2, BioFire RPP	Hologic APTIMA, Cepheid GeneXpert, Quidel Lyra, Argene	Lab-Developed Test, Cepheid ID, Abbott, Hologic Panther

* TAC = TaqMan® Array Card, rRT-PCR = real-time reverse transcriptase polymerase reaction, RPP = Respiratory Pathogen Panel, RUO = Research Use Only, RVP = Respiratory Virus Panel, LDT = laboratory developed test, EUA = Emergency Use Authorization