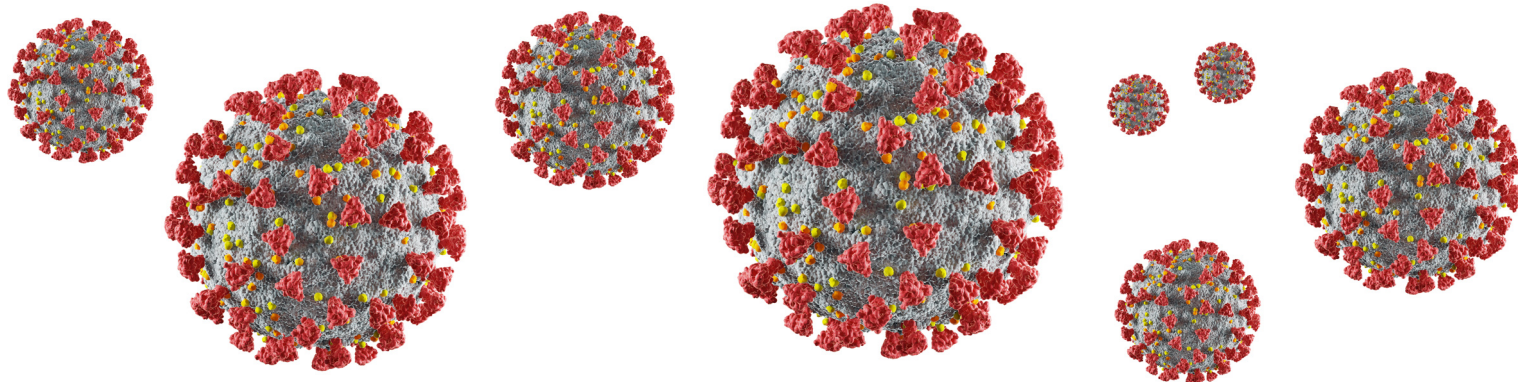


GRD FluV19 Multiplex RT-PCR Assay (RUO)



**Multiplex assay
performance in a single
tube or well**



**Differential detection of
Influenza A, Influenza B,
and SARS-CoV-2**



**Works with any nucleic
acid extraction kit**



**Move away from single
target COVID-19 assays
with a multiplex assay
in time for flu season**

Sample Type	Nasopharyngeal, nasal
Targets	M2 protein of Influenza A, NS2 protein of Influenza B, Nucleoprotein of SARS-CoV-2
Assay Limit of Detection	100 gene equivalent for Influenza A and B, 60 gene equivalent for SARS-CoV-2
Channels Used	Cy5, FAM, HEX, ROX, TAMRA
Instrument Compatibility	Bio-Rad CFX96, Thermo Fisher ABI 7500, Roche LightCycler, and more
Controls	Human RNase P and positive template control
Regulatory Status	RUO

Thomas No.	Description	Reg. Status	Unit/Quantity
CHM01P927	Multiplex RT-PCR Assay for the Detection of Influenza A, Influenza B, and SARS-CoV-2 (1,000 reactions)	RUO	EA/1

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GRD Pathogen Extraction Kit (RUO)

Isolate nucleic acids from viruses and bacteria with ease (2,000 reactions)



Ideal for use with the GRD FluV19 Multiplex RT-PCR Assay and other PCR/NGS applications.

GRD Pathogen Extraction Reagents can be used for manual or automated extraction of samples for downstream analysis by PCR or Next Generation Sequencing.

The figures to the right show that GRD Extraction Reagents perform equivalently to Thermo Fisher MagMAX Viral and Pathogen Nucleic Acid Isolation Kit on KingFisher FLEX magnetic particle processors for detection of SARS-CoV-2.

Fig. 1A. N-gene Post-Extraction Amplification

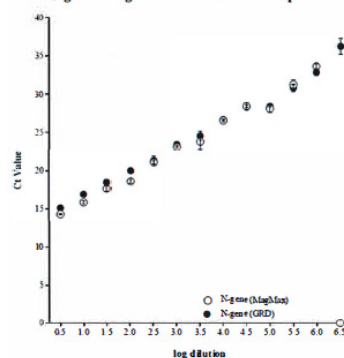


Fig. 1B. S-gene Post-Extraction Amplification

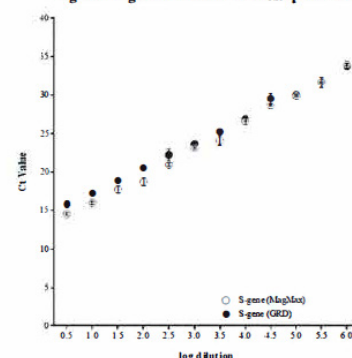


Fig. 1C. ORF1ab Post-Extraction Amplification

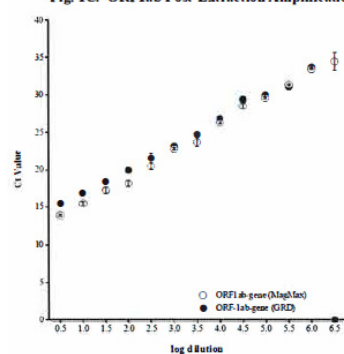
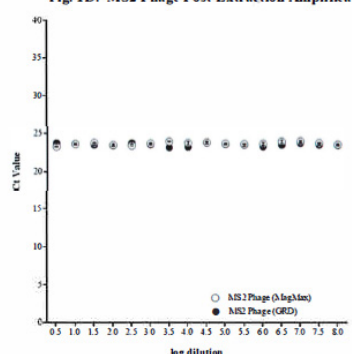


Fig. 1D. MS2 Phage Post-Extraction Amplification



Thomas No.	Description	Reg. Status	Unit/Quantity
CHM01P928	Research Use Only (RUO) Pathogen Extraction Kit for the isolation of nucleic acids from viruses and bacteria (2,000 reactions)	RUO	EA/1

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