

NAME	CATEGORY	ASSAY	ABOUT	REPORTING FORMAT	REGULATORY DETAIL
BioFire® Torch Respiratory 2 (RP2) Panel	Molecular	Alternative Upper Resp. Infection Nucleic Acid Amplification Test (NAAT)	Targets related molecules*	Qualitative/Diagnostic	CAP/CLIA/CE
Cepheid SARS-CoV-2 Assay (Qualitative)	Molecular	RT-PCR	Targets regions of SARS-CoV-2 Nucleocapsid protein (N), ORF, and Spike Protein	Qualitative/Diagnostic	CAP/CLIA/CE
Eurofins SARS-CoV-2 Assay (Qualitative)	Molecular	RT-PCR	Targets two regions of SARS-CoV-2 Nucleocapsid protein (N)	Qualitative/Diagnostic	CAP/CLIA/CE
Eurofins SARS-CoV-2 Assay (Quantitative)	Molecular	RT-qPCR	Targets two regions of SARS-CoV-2 Nucleocapsid protein (N)	Quantitative	GCLP/exploratory
Eurofins SARS-CoV-2 Whole Genome Sequencing	Molecular	Next Generation Sequencing	Identifies all current Covid variants and flags VOC	Qualitative/Diagnostic	CAP/CLIA/CE
Microneutralization	Serology/ Functional	Pseudoneutralization assay	Detects virus-specific neutralizing antibodies to SARS-CoV-2	Pending available BSL2 vector	
Microneutralization	Serology/ Functional	Surrogate virus neutralization assay [sVNT]	Detects virus-specific neutralizing antibodies to SARS-CoV-2	Qualitative/Quantitative	GCP
Roche cobas® 8000 SARS-CoV-2 antibodies (including IgG)	Serology	Electrochemiluminescent (ECL) assay	Recombinant protein representing the Spike (S) antigen for the determination of antibodies against SARS-CoV-2	Quantitative/Exploratory	EUA
Roche cobas® 8000 SARS-CoV-2 antibodies (including IgG)	Serology	Electrochemiluminescent (ECL) assay	Recombinant protein representing the nucleocapsid (N) antigen for the determination of antibodies against SARS-CoV-2	Qualitative/Diagnostic	EUA
T and B Cell ELISPOT	Biomarker/ Functional	ELISPOT	Tests frequency of immunoglobulin-secreting B cells/identification of specific cytokine-secreting T cells	Quantitative	
Cardiac Troponin (CT)	Biomarker	Electrochemiluminescent (ECL) assay	Tests the level of cardiac-specific troponin in the blood	Quantitative	CAP/CLIA
Coagulopathy Tests/Prothrombin Time/Platelet Count/Fibrinogen Activity	Biomarker	Coagulation Assays	Tests level of proteins essential for blood clot formation	Quantitative monitoring	Fit-for-purpose
C-Reactive Protein (CRP)	Biomarker	Immunochemiluminescent assay	Tests for CRP level in blood	Quantitative	CAP/CLIA
Cytokine Release Assay	Biomarker	Flow cytometry	Targets pro-inflammatory cytokines	Quantitative	Has CAP/CLIA potential
D-Dimer	Biomarker	ELISA	Test protein fragment level in blood, higher levels signify the formation and subsequent breakdown of blood clots	Quantitative	GCLP/exploratory
Ferritin	Biomarker	ECL assay	Tests for amount of ferritin released/circulating in the blood	Quantitative monitoring	Fit-for-purpose
Immune Cell Profiling	Biomarker	Flow cytometry	Monitors changes in inflammatory biomarkers and immune cell composition	Quantitative	CAP/CLIA
Lactate dehydrogenase (LDH)	Biomarker	Electrochemiluminescent (ECL) assay	Tests level of LDH in the blood/bodily fluids released by tissues	Quantitative	CAP/CLIA
Lymphocyte Count	Biomarker	Flow cytometry	Measures percentage in blood (B-cells, T-cells, and natural killer cells)	Quantitative	CAP/CLIA or GCLP/exploratory
Meso Scale Discovery V-PLEX Panels	Biomarker	Cytokine/Ligand binding	Cytokine Panel 1, Proinflammatory Panel 1, Chemokine Panel 1, Vascular Injury Panel 2, Angiogenesis Panel 1	Quantitative	GCLP/exploratory
Procalcitonin	Biomarker	ECL assay	Tests level in response to tissue injury or bacterial infection	Quantitative	CAP/CLIA
Protein Simple ELLA	Biomarker	Cytokine/Ligand binding	Kits available for independent Cytokines or as a 4-plex panel	Quantitative	CAP/CLIA
Quanterix SiMoA	Biomarker	Cytokine/Ligand binding	Kits available for independent Cytokines or as a 6-plex panel	Pending CE mark	
Roche cobas IL-6 Assay	Biomarker	Dual-target assay	Measures levels of IL-6 in serum	Quantitative	GCLP/exploratory
TBNK Safety Panel (T-cell, B-cell, NK-cell)	Biomarker	Flow cytometry	Surface marker panel (CD45,CD3,CD4,CD8, CD19,CD16/CD56)	Quantitative	CAP/CLIA
T-reg and Functional Markers	Biomarker	Flow cytometry	CD45, CD3, CD4, CD25, FoxP3, CD8, PD-1, NKGD2A	Quantitative monitoring	Fit-for-purpose
Additional Biomarkers	Biomarker	Multiple platforms	IL1-ra, MCP-3, IL-18, HGF, MIG (monokine induced gamma interferon), M-CSF, G-CSF, MIG-1a, CTACK (cutaneous T-cell-attracting chemokine)	Quantitative monitoring	Fit-for-purpose

**MOLECULAR**

**SEROLOGY/ FUNCTIONAL**

**SEROLOGY**

**BIOMARKER/FUNCTIONAL**

**BIOMARKER**

\*Adenovirus, Coronavirus 229E, Coronavirus HKU1, Coronavirus NL63, Coronavirus OC43, Human Metapneumovirus, Human Rhinovirus/Enterovirus, Influenza A, including subtypes H1, H1-2009, and H3, Influenza, Parainfluenza Virus 1, Parainfluenza Virus 2, Parainfluenza Virus 3, Parainfluenza Virus 4, Respiratory Syncytial Virus, Bordetella parapertussis (IS1001), Bordetella pertussis (ptxP), Chlamydia pneumoniae, Mycoplasma pneumoniae

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