

BIOFIRE® Respiratory Panels (RP2.1, RP2.1*plus*, RP2.1-EZ, SPOTFIRE R Panel and SPOTFIRE R Panel Mini) SARS-CoV-2 Reactivity

Introduction

The BIOFIRE® Respiratory Panel 2.1 (RP2.1), BIOFIRE® Respiratory Panel 2.1 *plus* (RP2.1*plus*), BIOFIRE® Respiratory Panel 2.1-EZ (RP2.1-EZ), BIOFIRE® SPOTFIRE® Respiratory (R) Panel and BIOFIRE® SPOTFIRE® Respiratory (R) Panel Mini are multiplexed nucleic acid tests intended for use with BIOFIRE® FILMARRAY® Systems or BIOFIRE® SPOTFIRE® System, respectively, for the simultaneous, qualitative detection and identification of multiple respiratory pathogen nucleic acids in nasopharyngeal swabs (NPS) obtained from individuals with signs and symptoms or suspected of respiratory tract infections. This includes the detection of SARS-CoV-2 which is identified with two independent assays: SARSCoV2-1 which targets the S (Spike) gene and SARSCoV2-2 which targets the M (Membrane) gene. A positive result from either assay will result in a SARS-CoV-2 Detected result.

Note: BIOFIRE tests do not report cycle threshold (Ct) values and the BIOFIRE SARS-CoV-2 assays are not intended to monitor for novel mutations.

Global in silico SARS-CoV-2 Variant Analysis

bioMérieux has performed periodic updates of the in silico analysis provided in the BIOFIRE RP2.1, RP2.1*plus*, RP2.1-EZ, SPOTFIRE R Panel, and SPOTFIRE R Panel Mini Instructions for Use (IFU) based on available sequences in the GISAID database with the most recent performed on March 21, 2023 as shown in Table 1 below. BIOFIRE has also performed a one month in silico analysis of the most currently deposited GISAID sequences (February 22, 2023 to March 21, 2023) in Table 2 below.

Table 1. In silico Prediction of SARS-CoV-2 Detection by BIOFIRE SARSCoV2-1 and SARSCoV2-2 Assays (December, 2019 to March 21, 2023)

+/+ indicates detected by both assays with no impairment, +/- indicates detection by one assay with no impairment and potential for impaired detection by the other assay, -/- indicates potential for impaired detection by both assays

Predicted Assay Result # sequences	SARSCoV2-1 (S-gene)		# (%) sequences predicted to be detected with no limitations (one or both assays positive)
	+	-	



SARSCoV2-2 (M-gene)	+	12,503,037	193,098	12,743,655/12,744,136 (99.996%)*
	-	47,520	481*	

*Four hundred and eighty-one (177 unique) sequences have mismatches in the 3' half of primer(s) for both the SARSCoV2-1 and SARSCoV2-2 assays or mismatches in the 3' half of the SARSCoV2-1 assay and a 9 base pair deletion in the SARSCoV2-2 assay. The mismatches are predicted to impair detection at low analyte concentration.

Table 2. Single Month in silico Prediction of SARS-CoV-2 Detection by BIOFIRE SARSCoV2-1 and SARSCoV2-2 Assays (February 22, 2023 to March 21, 2023)

+/+ indicates detected by both assays with no impairment, +/- indicates detection by one assay with no impairment and potential for impaired detection by the other assay, -/- indicates potential for impaired detection by both assays

Predicted Assay Result		SARSCoV2-1 (S-gene)		# (%) sequences predicted to be detected with no limitations (one or both assays positive)
		+	-	
SARSCoV2-2 (M-gene)	+	155,377	1,430	157,658/157,675 (99.989%)*
	-	851	17*	

*Seventeen (11 unique under the primers) sequences have mismatches in the 3' half of primer(s) for both the SARSCoV2-1 and SARSCoV2-2 assays. The mismatches are predicted to impair detection at low analyte concentration.

The number of sequences analyzed and the number of sequences that are predicted to impair detection at low analyte concentrations in the February 22, 2023 to March 21, 2023 single month analysis are comparable to the November 22, 2022 to December 21, 2022 numbers, suggesting stable performance.

This analysis indicates that the BIOFIRE Respiratory family of products will be able to amplify and detect 100% of sequences retrieved on March 21, 2023. The analysis includes sequences from the lineages listed below

A.23 lineage (Uganda)

A.27 (France) / HMN.19B

AV.1 / VUI-21MAY-01

B.1 + 214insQAS

B.1.1.7 / VOC-20DEC-01 / Alpha (United Kingdom)

B.1.1.7 + S494P (United Kingdom)

B.1.1.7 + Q677H (United Kingdom)

B.1.427/B.1.429 lineage / CAL.20C variant / Epsilon (United States)

B.1.525 / VUI-21FEB-03 variant / Eta (UK)

B.1.526 / Iota (United States)

B.1.526.1 (United States)

B.1.616 / Breton variant (France)

B.1.617.1 / VUI-21APR-02 / Kappa (India)

B.1.617.2 / VOC-21APR-02 / Delta (India)

B.1.1.28 and descendants
 B.1.1.28 + N501T + E484Q (Brazil)
 B.1.1.318 lineage / VUI-21FEB-04 variant (UK)
 B.1.1.529 lineage / Omicron
 B.1.214 lineage / Belgium variant (Belgium)
 B.1.214.2 (Belgium)

B.1.243.1 / Arizona variant (United States)

B.1.351 lineage / VOC-20DEC-02 variant / Beta (South Africa)

AY.1	AY.90
AY.10	AY.91
AY.100	AY.91.1
AY.101	AY.92
AY.102	AY.93
AY.103	AY.94
AY.103.1	AY.95
AY.103.2	AY.96
AY.104	AY.97
AY.105	AY.98
AY.106	AY.99
AY.107	B.1.351.2
AY.108	B.1.351.3
AY.109	B.1.620
AY.11	B.1.621
AY.110	B.1.621.1
AY.111	BA.1.1
AY.112	BA.1.1.1
AY.112.1	BA.1.1.10
AY.112.2	BA.1.1.11
AY.112.3	BA.1.1.12
AY.113	BA.1.1.13
AY.114	BA.1.1.14
AY.115	BA.1.1.15
AY.116	BA.1.1.16
AY.116.1	BA.1.1.17
AY.117	BA.1.1.18
AY.118	BA.1.1.2
AY.119	BA.1.1.3

B.1.1.529 / BA.1 / Omicron
 B.1.617.3 / VUI-21APR-03 (India)
 C.36.3 / VUI-21MAY-02 (Thailand ex Egypt)
 C.37 / B.1.1.1 + L452Q + F490S / Lambda
 P.1 lineage / VOC-21JAN-02 variant / Gamma (Brazil)
 P.2 lineage / VUI-21JAN-01 variant / Zeta (Brazil)
 P.3 lineage / VUI-21MAR-02 / Theta (Philippines/Japan)

BA.5.1.21	BQ.1.1.5
BA.5.1.22	BQ.1.1.6
BA.5.1.23	BQ.1.1.7
BA.5.1.24	BQ.1.1.8
BA.5.1.25	BQ.1.1.9
BA.5.1.26	BQ.1.10
BA.5.1.27	BQ.1.10.1
BA.5.1.28	BQ.1.11
BA.5.1.3	BQ.1.12
BA.5.1.30	BQ.1.13
BA.5.1.31	BQ.1.13.1
BA.5.1.4	BQ.1.14
BA.5.1.5	BQ.1.15
BA.5.10	BQ.1.16
BA.5.10.1	BQ.1.17
BA.5.11	BQ.1.18
BA.5.2	BQ.1.19
BA.5.2.1	BQ.1.2
BA.5.2.10	BQ.1.20
BA.5.2.11	BQ.1.21
BA.5.2.12	BQ.1.22
BA.5.2.13	BQ.1.23
BA.5.2.14	BQ.1.24
BA.5.2.16	BQ.1.25
BA.5.2.18	BQ.1.25.1
BA.5.2.19	BQ.1.26
BA.5.2.2	BQ.1.26.1
BA.5.2.20	BQ.1.27
BA.5.2.21	BQ.1.28



AY.119.1	BA.1.1.4	BA.5.2.22	BQ.1.3
AY.119.2	BA.1.1.5	BA.5.2.23	BQ.1.4
AY.12	BA.1.1.6	BA.5.2.24	BQ.1.5
AY.120	BA.1.1.7	BA.5.2.25	BQ.1.6
AY.120.1	BA.1.1.8	BA.5.2.26	BQ.1.7
AY.120.2	BA.1.1.9	BA.5.2.27	BQ.1.8
AY.120.2.1	BA.1.10	BA.5.2.28	BQ.1.8.2
AY.121	BA.1.12	BA.5.2.29	BQ.1.9
AY.121.1	BA.1.13	BA.5.2.3	BQ.2
AY.122	BA.1.13.1	BA.5.2.30	BR.1
AY.122.1	BA.1.14	BA.5.2.31	BR.1.2
AY.122.2	BA.1.14.1	BA.5.2.32	BR.2
AY.122.3	BA.1.14.2	BA.5.2.33	BR.2.1
AY.122.4	BA.1.15	BA.5.2.34	BR.3
AY.122.5	BA.1.15.1	BA.5.2.35	BR.4
AY.122.6	BA.1.15.2	BA.5.2.36	BS.1
AY.123	BA.1.15.3	BA.5.2.37	BS.1.1
AY.123.1	BA.1.16	BA.5.2.38	BT.1
AY.124	BA.1.16.1	BA.5.2.39	BT.2
AY.124.1	BA.1.16.2	BA.5.2.4	BU.1
AY.124.1.1	BA.1.17	BA.5.2.42	BU.2
AY.125	BA.1.17.1	BA.5.2.43	BU.3
AY.125.1	BA.1.17.2	BA.5.2.44	BV.1
AY.126	BA.1.18	BA.5.2.45	BV.2
AY.127	BA.1.19	BA.5.2.46	BW.1
AY.127.1	BA.1.2	BA.5.2.47	BW.1.1
AY.127.2	BA.1.20	BA.5.2.48	BY.1
AY.127.3	BA.1.21	BA.5.2.49	BY.1.1.1
AY.128	BA.1.21.1	BA.5.2.5	C.36
AY.129	BA.1.22	BA.5.2.6	CA.1
AY.13	BA.1.23	BA.5.2.7	CA.2
AY.130	BA.1.24	BA.5.2.8	CA.3
AY.131	BA.1.3	BA.5.2.9	CA.3.1
AY.132	BA.1.4	BA.5.3	CA.5
AY.133	BA.1.4.6	BA.5.3.1	CA.7
AY.134	BA.1.4.8	BA.5.3.2	CB.1
AY.14	BA.1.5	BA.5.3.4	CC.1
AY.15	BA.1.6	BA.5.3.5	CD.1
AY.16	BA.1.7	BA.5.5	CD.2



AY.16.1	BA.1.8	BA.5.5.2	CE.1
AY.17	BA.1.9	BA.5.5.3	CG.1
AY.18	BA.2	BA.5.6	CH.1
AY.19	BA.2.1	BA.5.6.2	CH.1.1
AY.2	BA.2.10	BA.5.6.3	CH.1.1.1
AY.20	BA.2.10.1	BA.5.6.4	CH.1.1.2
AY.20.1	BA.2.10.2	BA.5.7	CH.1.1.3
AY.21	BA.2.10.3	BA.5.8	CH.1.1.4
AY.22	BA.2.11	BA.5.9	CH.1.1.5
AY.23	BA.2.12	BC.1	CH.3
AY.23.1	BA.2.12.1	BC.2	CJ.1
AY.23.2	BA.2.12.2	BD.1	CJ.1.1
AY.24	BA.2.13	BE.1	CK.1
AY.24.1	BA.2.13.1	BE.1.1	CK.1.1
AY.25	BA.2.14	BE.1.1.1	CK.1.2
AY.25.1	BA.2.15	BE.1.1.2	CK.2
AY.25.1.1	BA.2.16	BE.1.2.1	CK.2.1
AY.25.1.2	BA.2.17	BE.1.3	CK.2.1.1
AY.25.2	BA.2.18	BE.1.4	CK.3
AY.25.3	BA.2.19	BE.1.4.1	CL.1
AY.26	BA.2.2	BE.1.4.2	CM.1
AY.26.1	BA.2.2.1	BE.10	CM.10
AY.27	BA.2.20	BE.2	CM.11
AY.28	BA.2.21	BE.3	CM.12
AY.29	BA.2.22	BE.4	CM.2
AY.29.1	BA.2.23	BE.4.1	CM.2.1
AY.29.2	BA.2.23.1	BE.4.1.1	CM.3
AY.3	BA.2.24	BE.4.2	CM.4
AY.3.1	BA.2.25	BE.5	CM.4.1
AY.3.2	BA.2.25.1	BE.6	CM.5
AY.3.3	BA.2.26	BE.7	CM.5.1
AY.3.4	BA.2.27	BE.8	CM.5.2
AY.30	BA.2.28	BE.9	CM.6
AY.31	BA.2.29	BF.1	CM.6.1
AY.32	BA.2.3	BF.1.1	CM.7
AY.33	BA.2.3.1	BF.10	CM.8
AY.33.1	BA.2.3.10	BF.10.1	CM.8.1
AY.33.2	BA.2.3.11	BF.11	CM.9
AY.34	BA.2.3.12	BF.11.1	CN.1



AY.34.1	BA.2.3.13	BF.11.2	CN.2
AY.34.1.1	BA.2.3.14	BF.11.3	CP.1
AY.34.2	BA.2.3.15	BF.11.4	CP.1.1
AY.35	BA.2.3.16	BF.11.5	CP.1.2
AY.36	BA.2.3.17	BF.16	CP.1.3
AY.36.1	BA.2.3.18	BF.17	CP.2
AY.37	BA.2.3.19	BF.18	CP.3
AY.38	BA.2.3.2	BF.19	CP.4
AY.39	BA.2.3.20	BF.2	CP.5
AY.39.1	BA.2.3.3	BF.20	CP.6
AY.39.1.1	BA.2.3.4	BF.21	CQ.1
AY.39.1.2	BA.2.3.5	BF.22	CQ.1.1
AY.39.1.3	BA.2.3.6	BF.23	CQ.2
AY.39.1.4	BA.2.3.7	BF.24	CR.1
AY.39.2	BA.2.3.8	BF.25	CR.1.1
AY.39.3	BA.2.3.9	BF.26	CR.1.3
AY.39.4	BA.2.30	BF.27	CR.2
AY.4	BA.2.31	BF.28	CT.1
AY.4.1	BA.2.31.1	BF.29	CV.1
AY.4.10	BA.2.32	BF.3	CV.2
AY.4.11	BA.2.33	BF.30	CY.1
AY.4.12	BA.2.34	BF.31	DA.1
AY.4.13	BA.2.35	BF.31.1	DB.1
AY.4.14	BA.2.36	BF.32	DB.2
AY.4.15	BA.2.37	BF.34	DC.1
AY.4.16	BA.2.38	BF.4	DE.2
AY.4.17	BA.2.38.1	BF.5	DF.1
AY.4.2	BA.2.39	BF.5.1	DF.1.1
AY.4.2.1	BA.2.4	BF.5.2	DG.1
AY.4.2.2	BA.2.40	BF.6	DJ.1
AY.4.2.3	BA.2.40.1	BF.7	DJ.1.1
AY.4.2.4	BA.2.41	BF.7.1	DK.1
AY.4.2.5	BA.2.42	BF.7.10	DL.1
AY.4.3	BA.2.43	BF.7.11	DM.1
AY.4.4	BA.2.44	BF.7.12	DN.1
AY.4.5	BA.2.45	BF.7.13	DN.1.1
AY.4.6	BA.2.46	BF.7.13.2	DQ.1
AY.4.7	BA.2.47	BF.7.14	DR.1
AY.4.8	BA.2.48	BF.7.15	DS.1



AY.4.9	BA.2.49	BF.7.2	DT.1
AY.40	BA.2.5	BF.7.3	DU.1
AY.41	BA.2.50	BF.7.4	P.1.1
AY.42	BA.2.51	BF.7.4.1	P.1.2
AY.42.1	BA.2.52	BF.7.4.2	P.1.4
AY.43	BA.2.53	BF.7.5	P.1.6
AY.43.1	BA.2.54	BF.7.5.1	P.1.7
AY.43.2	BA.2.55	BF.7.6	Q.1
AY.43.3	BA.2.56	BF.7.7	Q.2
AY.43.4	BA.2.56.1	BF.7.8	Q.3
AY.43.5	BA.2.57	BF.7.9	Q.4
AY.43.6	BA.2.58	BF.8	Q.5
AY.43.7	BA.2.59	BF.9	Q.6
AY.43.8	BA.2.6	BG.1	Q.7
AY.43.9	BA.2.60	BG.2	Q.8
AY.44	BA.2.61	BG.3	R.1
AY.45	BA.2.62	BG.4	XAA
AY.46	BA.2.63	BL.1	XAB
AY.46.1	BA.2.64	BL.1.1	XAC
AY.46.2	BA.2.65	BL.1.4	XAD
AY.46.3	BA.2.66	BL.2	XAE
AY.46.4	BA.2.67	BL.3	XAF
AY.46.5	BA.2.68	BL.4	XAG
AY.46.6	BA.2.69	BL.6	XAH
AY.46.6.1	BA.2.7	BM.1	XAJ
AY.47	BA.2.70	BM.1.1	XAN
AY.48	BA.2.71	BM.1.1.1	XAW
AY.49	BA.2.72	BM.1.1.3	XAY
AY.5	BA.2.73	BM.1.1.4	XAY.1
AY.5.1	BA.2.74	BM.1.1.5	XAY.1.1
AY.5.2	BA.2.75	BM.2	XAY.2
AY.5.3	BA.2.75.1	BM.2.1	XAY.3
AY.5.4	BA.2.75.10	BM.4	XAZ
AY.5.5	BA.2.75.2	BM.4.1	XBB
AY.5.6	BA.2.75.3	BM.4.1.1	XBB.1
AY.5.7	BA.2.75.4	BN.1	XBB.1.1
AY.50	BA.2.75.5	BN.1.1	XBB.1.2
AY.51	BA.2.75.6	BN.1.1.1	XBB.1.3
AY.52	BA.2.75.7	BN.1.2	XBB.1.4



AY.53	BA.2.75.9	BN.1.2.1	XBB.1.4.1
AY.54	BA.2.76	BN.1.3	XBB.1.5
AY.55	BA.2.77	BN.1.3.1	XBB.1.6
AY.56	BA.2.78	BN.1.3.2	XBB.1.7
AY.57	BA.2.79	BN.1.3.3	XBB.1.8
AY.58	BA.2.79.1	BN.1.3.4	XBB.1.9
AY.59	BA.2.8	BN.1.4	XBB.1.9.1
AY.6	BA.2.80	BN.1.4.1	XBB.2
AY.60	BA.2.81	BN.1.5	XBB.2.2
AY.61	BA.2.82	BN.1.6	XBB.3
AY.62	BA.2.85	BN.1.7	XBB.3.1
AY.63	BA.2.9	BN.1.8	XBB.3.2
AY.64	BA.2.9.1	BN.1.9	XBB.4
AY.65	BA.2.9.2	BN.2	XBB.5
AY.66	BA.2.9.3	BN.2.1	XBB.6
AY.67	BA.2.9.4	BN.3	XBB.6.1
AY.68	BA.2.9.5	BN.3.1	XBC
AY.69	BA.2.9.7	BN.5	XBC.1
AY.7	BA.3	BN.6	XBC.1.1
AY.7.1	BA.3.1	BQ.1	XBC.1.2.1
AY.7.2	BA.4	BQ.1.1	XBC.2
AY.70	BA.4.1	BQ.1.1.1	XBD
AY.71	BA.4.1.1	BQ.1.1.10	XBE
AY.72	BA.4.1.10	BQ.1.1.11	XBF
AY.73	BA.4.1.2	BQ.1.1.12	XBG
AY.74	BA.4.1.3	BQ.1.1.13	XBJ
AY.75	BA.4.1.4	BQ.1.1.14	XBK
AY.75.2	BA.4.1.9	BQ.1.1.15	XBL
AY.75.3	BA.4.2	BQ.1.1.16	XBM
AY.76	BA.4.3	BQ.1.1.17	XD
AY.77	BA.4.4	BQ.1.1.18	XE
AY.78	BA.4.5	BQ.1.1.19	XF
AY.79	BA.4.6	BQ.1.1.2	XG
AY.8	BA.4.6.1	BQ.1.1.20	XH
AY.80	BA.4.6.2	BQ.1.1.21	XJ
AY.81	BA.4.6.3	BQ.1.1.22	XK
AY.82	BA.4.6.4	BQ.1.1.23	XL
AY.83	BA.4.6.5	BQ.1.1.24	XM
AY.84	BA.4.7	BQ.1.1.25	XN



AY.85	BA.5	BQ.1.1.26	XP
AY.86	BA.5.1	BQ.1.1.27	XQ
AY.87	BA.5.1.1	BQ.1.1.28	XR
AY.88	BA.5.1.15	BQ.1.1.29	XT
AY.89	BA.5.1.16	BQ.1.1.3	XU
AY.9	BA.5.1.17	BQ.1.1.30	XV
AY.9.1	BA.5.1.18	BQ.1.1.31	XW
AY.9.2	BA.5.1.19	BQ.1.1.32	XY
AY.9.2.1	BA.5.1.2	BQ.1.1.34	XZ
AY.9.2.2	BA.5.1.20	BQ.1.1.4	

The four hundred and eighty-one very rare sequences represent only one hundred and seventy-seven unique sequences that indicate a potential for impaired detection by both assays (indicated in Table 1). Eighty-four unique sequences have been evaluated using synthetic nucleic acid template to estimate the impact of the observed mismatches on amplification and detection by both assays. Table 3 below shows the observed effect of the mismatches found in the 84 unique sequences tested with synthetic templates. The BIOFIRE RP2.1, RP2.1*plus*, RP2.1-EZ, SPOTFIRE R Panel and SPOTFIRE R Panel Mini SARS-CoV-2 test only requires one assay to be positive in order to report “SARS-CoV-2 Detected” therefore these four hundred and eighty-one very rare sequences are expected to be detected by the BIOFIRE Respiratory family of products but could demonstrate a reduction in analytical sensitivity near the limit of detection.

Table 3. Results of completed synthetic template testing of sequences with possible impairment in both SARS-CoV-2 assays.

Effect on pouch	Number of unique sequences tested	Total number of sequences
No effect	37 / 84	133 / 12,744,136
Minor (2-10 fold reduction)	36 / 84	156 / 12,744,136
Mild (10-100 fold reduction)	10 / 84	16 / 12,744,136
Moderate (≥ 100 fold reduction)	1 / 84	1 / 12,744,136

This analysis supports the conclusion that all of the 12,744,136 sequences evaluated as of March 21, 2023 can be amplified and detected by the BIOFIRE Respiratory family of tests, though a limitation or impairment on detection is predicted at low concentrations ($\leq 10x$ the limit of detection) for less than 0.0038% of the sequences (481/12,744,136) with only eleven unique sequences identified with detection likely affected greater than 10 fold.



Conclusions

1. The BIOFIRE Respiratory 2.1 Panels (RP2.1, RP2.1*plus* and RP2.1-EZ) and the SPOTFIRE Respiratory Panels (R Panel and R Panel Mini) SARS-CoV-2 assays are not affected by any circulating SARS-CoV-2 lineages identified as of March 21, 2023.
2. Global in silico analysis (as of March 21, 2023) predicts that the BIOFIRE Respiratory Panels (RP2.1, RP2.1*plus*, RP2.1-EZ, SPOTFIRE R Panel and SPOTFIRE R Panel Mini) SARS-CoV-2 assays will detect all sequences evaluated.
3. BIOFIRE tests do not report cycle threshold (Ct) values and the BIOFIRE Respiratory Panels SARS-CoV-2 assays are not intended to monitor for novel mutations.

Bioinformatics for the SARS-CoV-2 virus is expanding at a rapid rate since the emergence of the virus in human infection in late 2019. Thousands of viral whole genome sequences are being evaluated and submitted to public and private databases on a monthly basis. As the pandemic persists and viral genomes evolve, monitoring of assay reactivity with new sequences is important for understanding the state-of-the-art for performance of the SARS-CoV-2 assays in the BIOFIRE Respiratory family of products (RP2.1, RP2.1*plus*, RP2.1-EZ, SPOTFIRE R Panel and SPOTFIRE R Panel Mini).

bioMérieux continues to monitor these new sequences and is performing regular in silico analyses of the BIOFIRE Respiratory Panels SARS-CoV-2 assays.

Note: The BIOFIRE RP2.1-EZ test is for in vitro diagnostic use under Emergency Use Authorization only.

BIOFIRE RP2.1-EZ has not been FDA cleared or approved, but has been authorized for emergency use by FDA under an Emergency Use Authorization (EUA) for use by laboratories certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA), 42 U.S.C. §263a, that meet requirements to perform high, moderate, or waived complexity tests. This product is for use at the Point of Care (POC), i.e., in patient care settings operating under a CLIA Certificate of Waiver, Certificate of Compliance, or Certificate of Accreditation.

BIOFIRE RP2.1-EZ has been authorized only for the detection and differentiation of nucleic acid of SARS-CoV-2 from multiple respiratory viral and bacterial organisms.

The emergency use of BIOFIRE RP2.1-EZ is only authorized for the duration of the declaration that circumstances exist justifying the authorization of emergency use of in vitro diagnostics under Section 564(b)(1) of the Federal Food, Drug, and Cosmetic Act, 21 U.S.C. § 360bbb-3(b)(1), unless the declaration is terminated or authorization is revoked sooner.

Technical Support Contact Information

bioMérieux is dedicated to providing the best customer support available. If you have any questions or concerns about this process, please contact the BIOFIRE Technical Support team for assistance.

BIOFIRE Technical Support
Email: biofiresupport@biomerieux.com
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