

COVID-19 IgG/IgM Rapid Test Device (Whole Blood/Serum/Plasma) Product Insert

REF COV-13C25

INTENDED USE

The Rapid Response™ COVID-19 IgG/IgM Rapid Test Device is an in vitro immunoassay for the direct and qualitative detection of anti-SARS-CoV-2 IgM and anti-SARS-CoV-2 IgG in human whole blood (including venous whole blood and capillary whole blood), serum, or plasma. At the Point of Care setting, this test is only authorized for use with fingerstick whole blood specimens. This test is intended for use as an aid in identifying individuals with an adaptive immune response to SARS-CoV-2, indicating recent or prior infection. The Rapid Response™ COVID-19 IgG/IgM Rapid Test Device should not be used for screening patients or to diagnose or exclude acute SARS-CoV-2 infection. At this time, it is unknown for how long antibodies persist following infection and if the presence of antibodies confers protective immunity. A negative or non-reactive result for an individual subject indicates absence of detectable COVID-19 virus antibodies. However, a negative or non-reactive rest result does not preclude the possibility of exposure to or infection with COVID-19 virus. False positive results may occur due to cross-reactivity from pre-existing antibodies or other possible causes. Due to the risk of false positive results, confirmation of positive results should be confirmed using a second, different IgG/IgM detection method. Laboratories are required to report all results to the appropriate public health authorities. The test is for use by trained laboratory or healthcare professionals. This assay is not intended for home testing (or self-testing).

The Rapid Response™ COVID-19 IgG/IgM Rapid Test Device may detect a response to vaccination.

PRINCIPLE

The Rapid Response™ COVID-19 IgG/IgM Rapid Test Device detects anti-SARS-CoV-2 IgG/IgM antibody through visual interpretation of color development.

Anti-human IgG and anti-human IgM are used to detect specific antibodies in the human whole blood, serum, or plasma specimen. When specimen is added to the sample well, specific IgM and/or IgG antibodies, if present, will bind to the SARS-CoV-2 antigens conjugated to colored particles on the conjugate pad. As the specimen migrates along the strip by capillary action and interacts with reagents on the membrane, the complex will be captured by anti-human IgM and/or anti-human IgG antibodies immobilized on the test region(s). Excess colored particle are captured at the internal control region. The presence of a red band(s) on the test region(s) indicates a positive result for the particular IgG and/or IgM antibodies, while its absence indicates a negative result. A red band at the control region (C) serves as a procedural control, indicating that membrane wicking is working.



Edifect

- For in vitro Diagnostic Use Only.
- · Read the Package Insert prior to use. Directions should be read and followed carefully.
- Do not use kit or components beyond the expiration date.
- The device contains material of animal origin and should be handled as a potential biohazard. Do not use if pouch is damaged or open.

PRECAUTIONS

- Test devices are packaged in foil pouches that exclude moisture during storage. Inspect each foil
 pouch before opening. Do not use devices that have holes in the foil or where the pouch has not
 been completely sealed. Erroneous result may occur if test reagents or components are improperly
 stored.
- Do not use the Buffer if it is discolored or turbid. Discoloration or turbidity may be a sign of microbial contamination.
- All patient specimens should be handled and discarded as if they are biologically hazardous. All specimens must be mixed thoroughly before testing to ensure a representative sample prior to testing.
- Care should be taken to store specimens as indicated in the document (refer to STORAGE AND STABILITY).
- Failure to bring specimens and reagents to room temperature before testing may decrease assay sensitivity. Inaccurate or inappropriate specimen collection, storage, and transport may yield false negative test results.
- Avoid skin contact with all components containing sodium azide which is a skin irritant.
- If infection with SARS-CoV-2 is suspected based on current clinical and epidemiological screening

criteria recommended by public health authorities, specimens should be collected with appropriate infection control precautions and sent to state or local health departments for testing.

STORAGE AND STABILITY

- Store the Rapid Response™ COVID-19 IgG/IgM Rapid Test Device at 2~30°C when not in use.
 DO NOT FREEZE.
- Kit contents are stable until the expiration dates marked on their outer packaging and containers.
- Perform testing immediately within 1 hour after specimen collection. Serum and plasma specimens may
 be stored at 2-8°C for up to 7 days. For long term storage, serum or plasma specimens should be kept
 below -20°C no more than 2 months. Whole blood collected by venipuncture should be stored at 2-8°C
 if the test is to be run within 3 days after collection. Do not freeze whole blood specimens.
- Containers containing anticoagulants such as EDTA, citrate, heparin or oxalate should be used for whole blood storage.
- Bring specimens to room temperature (15-30°C) prior to testing. Frozen serum or plasma specimens must be completely thawed and mixed well prior to testing. Avoid repeated freezing and thawing of specimens.
- If specimens are to be shipped, pack them in compliance with all applicable regulations for transportation of etiological agents.

TEST PROCEDURE

Specimen Collection:

Allow the test device, specimen, buffer, and/or controls to reach room temperature (15-30°C) prior to testing.

1. Bring the pouch to room temperature before opening. Remove the test device from the sealed pouch and use it as soon as possible.

2. Place the test device on a clean and level surface. Label the test with patient or control identification. Note: There should be a blue line in the control region (next to "C"), discard the device if there is no blue line.

- 3. Add the specimens For Serum or Plasma Specimen
- a) Using the provided disposable pipette, draw the specimen up to the Fill Line, and transfer all the specimen (appr. 5 μ L) into the specimen well of the test device, then add 2 drops of buffer and start the timer.



For Venous Whole Blood Specimens

a) Using the provided disposable pipette, draw the specimen above the fill line (avoid the specimen entering the bubble of disposable pipette) and transfer one drop of the specimen into the specimen well of the test device, then add 2 drops of buffer and start the timer.



For Fingerstick Blood

- a) Clean the puncture site with the alcohol prep pad
- b) Carefully remove the cap from the safety lancet. Push the safety lancet firmly against the puncture site until it pricks the finger.



c) Using the provided disposable pipette, draw the specimen above the fill line (avoid the specimen entering the bubble of disposable pipette) and transfer one drop of the specimen into the specimen well of the test device, then add 2 drops of buffer and start the timer.





RESULT INTERPRETATION

For COVID-19 IgG/IgM Test:



IgM Positive:*The colored line in the control region (C) changes from blue to red, and a colored line appears in the IgM test region. The result is positive for COVID-19 virus specific-IgM antibodies.



C IgG

lgG

IgG Positive:*The colored line in the control region (C) changes from blue to red, and a colored line appears in the IgG test region. The result is positive for COVID-19 virus specific-IgG antibodies.



Negative: The colored line in the control region (C) changes from blue to red. No line appears in IgM or IgG test regions.



Invalid: Control line (C) is still completely or partially blue and fails to completely change from blue to red. Insufficient buffer volume or incorrect procedural techniques are the most likely reasons for control line failure. Review the procedure and repeat the procedure with a new test device. If the problem persists, discontinue using the test kit immediately and contact your local distributor.

NOTE:

- The color intensity in the test region (T) may vary depending on the concentration of analytes
 present in the specimen. Therefore, any shade of color in the test region should be considered
 positive. Note that this is a qualitative test only and cannot determine the concentration of analytes
 in the specimen.
- Insufficient specimen volume, incorrect operating procedure or expired tests are the most likely reasons for control band failure.

QUALITY CONTROL

Internal Procedural Controls

The Rapid Response[™] COVID-19 IgG/IgM Rapid Test Device has built-in (procedural) controls. Each test device has an internal standard zone to ensure proper sample flow. The user should confirm that the blue band should be always located at the "C" region before testing, and the red band should be always present before result interpretation.

External Positive and Negative Controls

Good laboratory practice suggests that positive and negative external controls are run routinely to ensure that the test is correctly performed. External positive and negative controls should be used in accordance with applicable accrediting organizations, or your lab's standard Quality Control procedures, as applicable.

LIMITATIONS OF THE TEST

- The Rapid Response[™] COVID-19 IgG/IgM Rapid Test Device is for professional in vitro diagnostic use and should only be used for the qualitative detection of anti-SARS-CoV-2 IgM and anti-SARS-CoV-2 IgG. The intensity of color in a positive band should not be evaluated as "quantitative or semi-quantitative".
- 2. As with all diagnostic tests, a definitive clinical diagnosis should not be based on the results of a single test but should only be made by the physician after all clinical and laboratory findings have been evaluated.
- 3 Failure to follow the test procedure and result interpretation may adversely affect test performance and/or invalidate the test result.
- Results obtained with this assay, particularly in the case of weak test lines that are difficult to interpret, should be used in conjunction with other clinical information available to the physician.
- 5. A high dose "hook effect" may occur where the color intensity of test band decreases as the concentration of anti-SARS-CoV-2 IgG/IgM increases. If a "hook effect" is suspected, dilution of specimens may increase color intensity of the test band.
- Results from antibody testing should not be used as the sole basis to diagnose or exclude 6. SARS-CoV-2 infection or to inform infection status.
- 7 Negative results do not preclude COVID-19 and should be confirmed via other methods such us molecular assav.
- The Rapid Response[™] COVID-19 IgG/IgM Rapid Test Device is not for the screening of 8. donated blood.
- Positive results may be due to past or present infection with non SARS CoV2 coronavirus 9 strains, such as coronavirus HKU1, NL63, OC43, or 229E.
- 10 Patients on intravenous IgG may give false positive results with IgG-based assays.
- 11. The performance of this device has not been assessed in a population vaccinated against COVID-19.
- 12. This test identifies antibodies to the spike protein of the SARS-CoV-2 virus and is therefore unable to distinguish between previously infected individuals and vaccinated individuals.
- 13. The assay is not intended for home testing (or self-testing).
- 14. False negatives can occur in elderly and immunocompromised patients.
- 15. The performance of the device has not been assessed on specimens from individuals who have been infected with emerging variants of SARS-CoV-2 of public health concern.

PERFORMANCE CHARACTERISTICS

Clinical Evaluation: Study 1

Total of 56 positive and 105 negative samples were collected and tested at 4 different sites. These samples which were either venous whole blood or serum from patients confirmed by RT-PCR method for SARS-CoV-2 infection were tested with the Rapid ResponseTM COVID-19 IgG/IgM Rapid Test device for antibodies. The PPA/sensitivity and NPA/specificity results are summarized in following tables:

IgG PPA and IgM PPA for Rapid ResponseTM COVID-19 IgG/IgM Rapid Test Device

£14-	Days from # PCR			IgG Test Results				IgM Test Results		
Site	symptom onset	Positive	Antibody Positive	PPA	95%CI	Antibody Positive	PPA	95%CI		
(6:4-1)	≤7	8	7	87.5%	52.9%-97.8%	8	100%	67.6%-100%		
(Site 1 +	8-14	15	13	86.7%	62.1%-96.3%	13	86.7%	62.1%-96.3%		
4)Serum	≥15	20	20	100%	79.9%-100%	18	90.0%	66.9%-98.2%		
(Site 2)	≤7	1	1	100%	20.7%-100%	1	100%	20.7%-100%		
Venous	8-14	3	3	100%	43.9%-100%	3	100%	43.9%-100%		
Whole Blood	≥15	9	9	100%	70.1%-100%	9	100%	70.1%-100%		
Sites combined	-	56	53	94.6%	84.2%-98.6%	52	92.9%	81.9%-97.6%		

IgG NPA and IgM NPA for Rapid ResponseTM COVID-19 IgG/IgM Rapid Test Device

Site	# PCK		igo fest ke	esuns		ight fest kes	unts
	Negative	Negative	NPA	95%CI	Negative	Negative NPA	
		Results			Results		
(Site 1 + 3+	96	96	100%	96.2%-100%	94	97.9%	92.7%-99.4%
4) Serum							
(Site 2) Venous	9	9	100%	70.1%-100%	9	100%	70.1%-100%
Whole Blood							
Sites	105	105	100%	96.5%-100%	103	98.1%	93.3%-99.5%
combined							
Stude 2							

Study 2

Total of 42 positive and 113 negative fingerstick whole blood samples were collected and tested at 3 different POC sites. These samples were tested with both RT-PCR method for SARS-CoV-2 infection and Rapid ResponseTM COVID-19 IgG/IgM Rapid Test device for antibodies. The PPA/sensitivity and

NPA/specificity results are summarized in following tables.

IgG PPA and IgM PPA for Rapid ResponseTM COVID-19 IgG/IgM Rapid Test Device

1601	1 /1 and 15		n napia n	response	CO (ID-1)	150/15/11 10	upiu resi	Device	
			Iş	gG Test l	Results	IgM Test Results			
Site	Days from symptom onset	# PCR Positive	Antibody Positive	РРА	95%CI	Antibody Positive	PPA	95%CI	
	0.7 days	2	0	0%	0% 57 5%	2	100%	42.5% 100%	
	0-7 days	2	0	0/0	0/0-57.5/0	2	100/0	42.5/0-100/0	
Site 1+2+3)	8-14 days	12	10	83.3%	55.2%-95.3%	10	83.3%	55.2%-95.3%	
	>15 days	28	28	100%	91.2%-100%	25	89.3%	72.8%-96.3%	

IgG NPA and IgM NPA for Rapid ResponseTM COVID-19 IgG/IgM Rapid Test Device

		IgG T	lts	IgM Test Results			
(Site 1+2+3)	PCR Negativ	Antibody Negative	NPA	95%CI	Antibody Negative	NPA	95%CI
Tomaking of City	112	112	100%	07.7% 100%	112	100%	07.70/ 1000/

ombilied Site	115	115	100/0	J1.170 -100	115	100%	J1.1/0-100/0	
The NPA/spe	ecificity of the	e Rapid Respons	e™ COV	/ID-19 IgO	/IgM Rapid	Test Devic	e for IgG/IgM	in
fingerstick w	hole blood sat	nples is 100%.						

Cross Reactivity

The Rapid ResponseTMCOVID-19 IgG/IgM Rapid Test Device has been evaluated for cross-reactivity for the following potentially cross-reactive substances. It has been noted that there is potential cross-reactivity with HSV-1 and Toxoplasma IgM+.

Potential Cross-reactive	IgM Agreement	IgG Agreement	Potential Cross-reactive	IgM Agreement	IgG Agreement	
substances	_	-	substances		_	
Anti-HAV IgM +	E / E	E /E	Anti-Haemophilus	E / E	E /E	
Anti-HEV IgM +	5/5	5/5	Anti-Adenovirus +	5/5	5/5	
And-ITE v Igivi +	5/5	515	Anti-Auchovirus +	515	5/5	
HBsAg +	10/10	10/10	pneumonia+	5/5	5/5	
	10/10	10,10	Anti-Chlamydia	5/5	0/0	
Anti-HCV +	10/10	10/10	pneumonia+	5/5	5/5	
Anti-HIV+	10/10	10/10	Toxoplasmosis +	5/5	5/5	
Anti-Rubella IgM +	5/5	5/5	Toxoplasma IgM+	5/5	4/5	
Anti-CMV IgM +	5/5	5/5	HAMA +	5/5	5/5	
Anti-HSV-I IgM +	5/5	5/5	RF +	5/5	5/5	
HSV-1	0/1	0/1	ANA+	5/5	5/5	
Anti-HSV-II IgM +	5/5	5/5	HCoV-HKU1+	7/7	20/20	
EBV IgG +	5/5	5/5	HCoV-0C43+	8/8	14/14	
Anti-Dengue virus +	5/5	5/5	HCoV-NL63+	13/13	19/19	
Anti-Yellow fever +	5/5	5/5	HCoV-229E+	8/8	10/10	
Anti-Zika virus +	5/5	5/5	MERS-CoV+	5/5	5/5	
Anti-Chikungunya +	5/5	5/5	SARS-CoV+	5/5	5/5	
Character Le Cha			Mouse Anti-human			
Chagas IgG+	5/5	5/5	Metapneumovirus IgG	5/5	5/5	
Anti Crahilia			Anti-Parainfluenza			
Anti-Syphins +	10/10	10/10	Type 1 IgG	5/5	5/5	
Anti-Chlamydia +			Anti-Parainfluenza			
Anti-Cinamyula +	5/5	5/5	Type 2 IgG	5/5	5/5	
Anti-Tuberculosis +			Anti-Parainfluenza			
Anti-Tuberculosis +	5/5	5/5	Type 3 IgG	5/5	5/5	
Typhoid IgM +	5/5	5/5	Enterovirus IgM+	5/5	5/5	
Lyme disease+	5/5	5/5	Enterovirus IgG+	5/5	5/5	
P falcinarum +			Mouse Anti-Norovirus			
1. Taiciparum +	5/5	5/5	IgG	5/5	5/5	
P. vivax +	5/5	5/5	Enterovirus+	2/2	2/2	
Anti-Influenza A +	5/5	5/5	Rhinovirus+	2/2	2/2	
Anti-Influenza B +	5/5	5/5	Rhinovirus IgM+	3/3	3/3	
Anti-RSV+	5/5	5/5	Rhinovirus IgG+	2/2	2/2	
CoV OC43 IgM	4/4	4/4	CoV NL63 IgM	2/2	2/2	
CoV OC43 IgG	4/4	4/4	CoV NL63 IgG	2/2	2/2	
CoV HKU1 IgM	1/1	1/1	CoV 229E IgM	3/3	3/3	
CoV HKU1 IgG	1/1	1/1	CoV 229E IgG	3/3	3/3	

by substances at concentrations listed below

Blood analytesAlbumin5 g/dLBilirubin5 mg/dLBilirubin5 mg/dLHemoglobin20 g/dLTriglycerides500 mg/dLAnticoagulantsEEDTA3.4 µmol/LHeparin3000 U/LSodium citrate5 mg/mLPotassium oxalate2 mg/mLCommon medicines-Antocajeliant3.62 mmol/LAscorbic acid (Vitamin C)342 µmol/LAmoxicillin206 µmol/LFluconazole245 µmol/LLoratadine0.78 µmol/LNaproxen2170 µmol/LParoxetine3.04 µmol/LAnti-tuberculosis medicines-Quinine148 µmol/LIsingidi292 µmol/LCommo consumables-Coffee (caffeine)308 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LAnti-tuberculosis medicines-Coffee (caffeine)308 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LAnti-tuberculosis medicines-Coffee (caffeine)308 µmol/LAlcohol (ethanol)86.8 mmol/L	Interfering substances	Concentration of analyte
Albumin5 g/dLBilirubin5 mg/dLHemoglobin20 g/dLTriglycerides500 mg/dLAnticoagulantsEEDTA3.4 µmol/LHeparin3000 U/LSodium citrate5 mg/mLPotassium oxalate2 mg/mLCommon medicines-Acetylsalicylic acid3.62 mmol/LAmoxicillin206 µmol/LFluconazole245 µmol/LLoratadine0.78 µmol/LNaproxen2170 µmol/LNaproxen3.04 µmol/LAnti-tuberculosis medicines-Quinine148 µmol/LIsingini78.1 µmol/LCommo medicines-Common medicines-Common medicines-Common medicines-Common medicines-Buprofen2425 µmol/LLoratadine0.78 µmol/LNaproxen3.04 µmol/LSold µmol/L-Anti-tuberculosis medicines-Rifampicin78.1 µmol/LIsonizid292 µmol/LEthambutol58.7 µmol/LCommon consumables-Coffee (caffeine)308 µmol/LAlcohol (ethanol)86.8 mmol/L	Blood analytes	
Bilirubin5 mg/dLHemoglobin20 g/dLTriglycerides500 mg/dLAnticoagulantsEDTA3.4 µmol/LHeparin3000 U/LSodium citrate5 mg/mLPotassium oxalate2 mg/mLCommon medicinesAcetylsalicylic acid3.62 mmol/LAscorbic acid (Vitamin C)342 µmol/LAbustriation206 µmol/LIbuprofen2425 µmol/LIbuprofen2425 µmol/LNadolol3.88 µmol/LNadolol3.04 µmol/LParoxetine3.04 µmol/LIbuprofen148 µmol/LComine170 µmol/LContactinesComine0.78 µmol/LContactine0.78 µmol/LContactine3.04 µmol/LContactinesCuinine148 µmol/LContactinesCuinine292 µmol/LContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactinesContactines <t< td=""><td>Albumin</td><td>5 g/dL</td></t<>	Albumin	5 g/dL
Hemoglobin20 g/dLTriglycerides500 mg/dLAnticoagulants-EDTA3.4 μmol/LHeparin3000 U/LSodium citrate5 mg/mLPotassium oxalate2 mg/mLCommon medicines-Acetylsalicylic acid3.62 mmol/LAscorbic acid (Vitamin C)342 µmol/LAmoxicillin206 µmol/LIbuprofen2425 µmol/LLoratadine0.78 µmol/LNadolol3.88 µmol/LNaproxen2170 µmol/LParoxetine3.04 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LIsoniazid292 µmol/LCommon consumables-Common consumables-Coffee (cafferine)308 µmol/LAlcohol (ethanol)86.8 mmol/L	Bilirubin	5 mg/dL
Triglycerides 500 mg/dL Anticoagulants EDTA EDTA 3.4 μmol/L Heparin 3000 U/L Sodium citrate 5 mg/mL Potassium oxalate 2 mg/mL Common medicines	Hemoglobin	20 g/dL
AnticoagulantsEDTA3.4 μmol/LHeparin3000 U/LSodium citrate5 mg/mLPotassium oxalate2 mg/mLCommon medicines-Acetylsalicylic acid3.62 mmol/LAscorbic acid (Vitamin C)342 μmol/LAmoxicillin206 μmol/LFluconazole245 μmol/LIbuprofen2425 μmol/LIbuprofen3.88 μmol/LNadolol3.88 μmol/LNagroxen2170 μmol/LParoxetine3.04 μmol/LAnti-malarial medicines-Quinine148 μmol/LAnti-tuberculosis medicines-Rifampicin78.1 μmol/LEthambutol58.7 μmol/LCommo consumables-Coffee (caffeine)308 μmol/LAlcohol (ethanol)86.8 mmol/L	Triglycerides	500 mg/dL
EDTA 3.4 µmol/L Heparin 3000 U/L Sodium citrate 5 mg/mL Potassium oxalate 2 mg/mL Potassium oxalate 3.62 mmol/L Acertylsalicylic acid 3.62 mmol/L Ascorbic acid (Vitamin C) 342 µmol/L Ascorbic acid (Vitamin C) 342 µmol/L Anoxicillin 206 µmol/L Fluconazole 245 µmol/L Ibuprofen 2425 µmol/L Loratadine 0.78 µmol/L Nadolol 3.88 µmol/L Nadolol 3.84 µmol/L Paroxetine 3.04 µmol/L Quinine 148 µmol/L Isonizid 292 µmol/L Isonizid 292 µmol/L Ethambutol 58.7 µmol/L Commo consumables	Anticoagulants	
Heparin 3000 U/L Sodium citrate 5 mg/mL Potassium oxalate 2 mg/mL Common medicines - Acetylsalicylic acid 3.62 mmol/L Ascorbic acid (Vitamin C) 342 µmol/L Amoxicillin 206 µmol/L Fluconazole 245 µmol/L Ibuprofen 2425 µmol/L Loratadine 0.78 µmol/L Nadolol 3.88 µmol/L Nadolol 3.88 µmol/L Naproxen 2170 µmol/L Paroxetine 3.04 µmol/L Anti-malarial medicines - Quinine 148 µmol/L Isonizid 292 µmol/L Ethambutol 58.7 µmol/L Commo consumables - Coffee (caffeine) 308 µmol/L	EDTA	3.4 µmol/L
Sodium citrate5 mg/mLPotassium oxalate2 mg/mLCommon medicines-Acetylsalicylic acid3.62 mmol/LAscorbic acid (Vitamin C)342 µmol/LAmoxicillin206 µmol/LFluconazole245 µmol/LIbuprofen2425 µmol/LLoratadine0.78 µmol/LNadolol3.88 µmol/LNaproxen2170 µmol/LParoxetine3.04 µmol/LAnti-tuberculosis medicines-Rifampicin78.1 µmol/LIsonizid292 µmol/LEthambutol58.7 µmol/LCorfnec (caffeine)308 µmol/LAlcohol (ethanol)86.8 mmol/L	Heparin	3000 U/L
Potassium oxalate2 mg/mLCommon medicinesAcetylsalicylic acid3.62 mmol/LAscorbic acid (Vitamin C)342 µmol/LAmoxicillin206 µmol/LFluconazole245 µmol/LIbuprofen2425 µmol/LLoratadine0.78 µmol/LNadolol3.88 µmol/LNaproxen2170 µmol/LParoxetine3.04 µmol/LAnti-tuberculosis medicinesRifampicin78.1 µmol/LIsoniazid292 µmol/LCommon consumablesCoffee (cafferine)308 µmol/LAlcohol (ethanol)86.8 mmol/L	Sodium citrate	5 mg/mL
Common medicinesAcetylsalicylic acid3.62 mmol/LAscorbic acid (Vitamin C)342 µmol/LAmoxicillin206 µmol/LFluconazole245 µmol/LIbuprofen2425 µmol/LLoratadine0.78 µmol/LNadolol3.88 µmol/LNaproxen2170 µmol/LParoxetine3.04 µmol/LAnti-tuberculosis medicines78.1 µmol/LRifampicin78.1 µmol/LIsoniazid292 µmol/LCommon consumablesCoffee (caffeine)Alcohol (ethanol)86.8 mmol/L	Potassium oxalate	2 mg/mL
Acetylsalicylic acid 3.62 mmol/L Ascorbic acid (Vitamin C) 342 µmol/L Amoxicillin 206 µmol/L Fluconazole 245 µmol/L Ibuprofen 2425 µmol/L Loratadine 0.78 µmol/L Nadolol 3.88 µmol/L Nadolol 3.88 µmol/L Naproxen 2170 µmol/L Paroxetine 3.04 µmol/L Anti-malarial medicines	Common medicines	
Ascorbic acid (Vitamin C) 342 µmol/L Amoxicillin 206 µmol/L Fluconazole 245 µmol/L Ibuprofen 2425 µmol/L Loratadine 0.78 µmol/L Nadolol 3.88 µmol/L Nadolol 3.88 µmol/L Paroxetine 3.04 µmol/L Paroxetine 3.04 µmol/L Anti-malarial medicines Imol/L Quinine 148 µmol/L Anti-tuberculosis medicines Imol/L Sifampicin 78.1 µmol/L Isoniaid 292 µmol/L Ethambutol 58.7 µmol/L Confmo consumables Imol/L Coffee (caffeine) 308 µmol/L	Acetylsalicylic acid	3.62 mmol/L
Amoxicillin 206 μmol/L Fluconazole 245 μmol/L Ibuprofen 2425 μmol/L Ibuprofen 2425 μmol/L Loratadine 0.78 μmol/L Nadolol 3.88 μmol/L Nadrosen 2170 μmol/L Paroxetine 3.04 μmol/L Anti-malarial medicines	Ascorbic acid (Vitamin C)	342 µmol/L
Fluconazole 245 µmol/L Ibuprofen 2425 µmol/L Loratadine 0.78 µmol/L Nadold 3.88 µmol/L Nadold 3.88 µmol/L Naproxen 2170 µmol/L Paroxetine 3.04 µmol/L Anti-malarial medicines	Amoxicillin	206 µmol/L
Ibuprofen 2425 μmol/L Loratadine 0.78 μmol/L Nadolol 3.88 μmol/L Naproxen 2170 μmol/L Paroxetine 3.04 μmol/L Anti-malarial medicines	Fluconazole	245 µmol/L
Loratadine 0.78 µmol/L Nadolol 3.88 µmol/L Naproxen 2170 µmol/L Paroxetine 3.04 µmol/L Anti-malarial medicines	Ibuprofen	2425 µmol/L
Nadolol 3.88 µmol/L Naproxen 2170 µmol/L Paroxetine 3.04 µmol/L Anti-malarial medicines	Loratadine	0.78 µmol/L
Naproxen 2170 μmol/L Paroxetine 3.04 μmol/L Anti-malarial medicines	Nadolol	3.88 µmol/L
Paroxetine 3.04 µmol/L Anti-malarial medicines	Naproxen	2170 µmol/L
Anti-malarial medicines	Paroxetine	3.04 µmol/L
Quinine 148 µmol/L Anti-tuberculosis medicines Rifampicin 78.1 µmol/L Isonizid 292 µmol/L Ethambutol 58.7 µmol/L Commo consumables Coffee (caffeine) 308 µmol/L Alcohol (ethanol) 86.8 mmol/L	Anti-malarial medicines	
Anti-tuberculosis medicines Rifampicin 78.1 µmol/L Isoniazid 292 µmol/L Ethambutol 58.7 µmol/L Commo consumables Coffee (caffeine) 308 µmol/L Alcohol (ethanol) 86.8 mmol/L	Quinine	148 µmol/L
Rifampicin 78.1 µmol/L Isoniazid 292 µmol/L Ethambutol 58.7 µmol/L Common consumables	Anti-tuberculosis medicines	
Isoniazid 292 µmol/L Ethambutol 58.7 µmol/L Common consumables	Rifampicin	78.1 µmol/L
Ethambutol 58.7 µmol/L Common consumables	Isoniazid	292 µmol/L
Common consumables Coffee (caffeine) 308 µmol/L Alcohol (ethanol) 86.8 mmol/L	Ethambutol	58.7 µmol/L
Coffee (caffeine) 308 µmol/L Alcohol (ethanol) 86.8 mmol/L	Common consumables	
Alcohol (ethanol) 86.8 mmol/L	Coffee (caffeine)	308 µmol/L
	Alcohol (ethanol)	86.8 mmol/L

LITERATURE REFERENCES

Ithete, N. L. et al. Close relative of human Middle East respiratory syndrome coronavirus in bat, 1. South Africa. Emerg. Infect. Dis. 19, 1697-1699 (2013).

GLOSSARY OF SYMBOLS					
Consult instructions for use	\∑∕	Test per Kit	REF	Catalogue number	
Store between 2°C and 30°C	\square	Use by	2	Do Not Reuse	
EC Authorized	LOT	Lot Number	IVD	For <i>in-vitro</i> Diagnostic Use	
	Consult instructions for use Store between 2°C and 30°C EC Authorized Representative	Consult instructions for use Store between 2°C and 30°C EC Authorized Representative LOT	GLOSSARY OF SYMBOL Consult instructions for use Test per Kit Store between 2°C and 30°C Use by EC Authorized Representative LOT	GLOSSARY OF SYMBOLS Consult instructions for use Test per Kit REF Store between 2°C and 30°C Use by Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2" Test per Kit REF Store between 2°C and 30°C Use by Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2" Consult instructions for use Use by Image: Colspan="2">Image: Colspan="2" Consult instructions Image: Colspan="2">Colspan="2" Consult instructions Image: Colspan="2">Colspan="2"	

_	BTNX, Inc.
	570 Hood Rd, Unit 23
	Markham, ON, L3R 4G7, Canada

EC REP MDSS GmbH Schiffgraben 41

30175 Hannover, Germany



Interfering Substances

The assay performance of the Rapid ResponseTM COVID-19 IgG/IgM Rapid Test Device is not affected