QUIDEL

QuickVue® At-Home COVID-19 Test

Healthcare Provider Instructions for Use
For Use Under an Emergency Use Authorization (EUA) Only
For use with anterior nasal swab specimens
For in vitro Diagnostic Use Only
For Prescription Home Use

INTENDED USE

The QuickVue At-Home COVID-19 Test is intended for the qualitative detection of the nucleocapsid protein antigen from SARS-CoV-2. This test is authorized for prescription home use with self-collected (unobserved) anterior nares (NS) swab specimens directly from individuals aged 14 years and older who are suspected of COVID-19 by their healthcare provider within the first six days of the onset of symptoms. This test is also authorized for prescription home use with adult-collected anterior NS samples directly from individuals aged 8 years or older who are suspected of COVID-19 by their healthcare provider within the first six days of the onset of symptoms.

The QuickVue At-Home COVID-19 Test does not differentiate between SARS-CoV and SARS-CoV-2.

Persons who test positive with the QuickVue At-Home COVID-19 Test should self-isolate and seek follow-up care with their physician or healthcare provider as additional testing may be necessary and for public health reporting.

Results are for the identification of SARS-CoV-2 nucleocapsid protein antigen. Antigen is generally detectable in anterior nares specimens during the acute phase of infection. Positive results indicate the presence of viral antigens, but clinical correlation with patient history and other diagnostic information is necessary to determine infection status. Positive results do not rule out bacterial infection or co-infection with other viruses and the agent detected may not be the definite cause of disease.

Negative results should be treated as presumptive and confirmation with a molecular assay, if necessary, for patient management may be performed. Negative results do not rule out COVID-19 and should not be used as the sole basis for treatment or patient management decisions, including infection control decisions. Negative results should be considered in the context of a patient's recent exposures, history and the presence of clinical signs and symptoms consistent with COVID-19. Persons who test negative and continue to experience COVID-19 like symptoms of fever, cough and/or shortness of breath may still have SARS-CoV-2 infection and should seek follow up care with their physician or healthcare provider.

All prescribing healthcare providers will report all test results they receive from individuals who use the authorized product to relevant public health authorities in accordance with local, state, and federal requirements using appropriate LOINC and SNOMED codes, as defined by the Laboratory In Vitro Diagnostics (LIVD) Test Code Mapping for SARS-CoV-2 Tests provided by CDC.

The QuickVue At-Home COVID-19 Test is intended for self-use and/or, as applicable for an adult lay user testing another person aged 8 years or older in a non-laboratory setting. The QuickVue At-Home COVID-19 Test is only for use under the Food and Drug Administration's Emergency Use Authorization.

SUMMARY AND EXPLANATION

SARS-CoV-2, also known as the COVID-19 virus, was first identified in Wuhan, Hubei Province, China in December 2019. This virus, as with the novel coronavirus SARS-1 and MERS, is thought to have originated in bats, however the SARS-CoV-2 may have had an intermediary host such as pangolins, pigs or civets.[1] The WHO declared that COVID-19 was a pandemic on March 11, 2020, and human infection has spread globally, with hundreds of thousands of confirmed infections and deaths.[2] The median incubation time is estimated to be 5.1 days with symptoms expected to be present within 12 days of infection.[3] The symptoms of COVID-19 are similar to other viral respiratory diseases and include fever, cough and shortness of breath.[4]

PRINCIPLE OF THE PROCEDURE

The QuickVue At-Home COVID-19 Test employs lateral flow immunoassay technology. Using this test allows for the rapid detection of nucleocapsid protein from SARS-CoV and SARS-CoV-2. This test does not differentiate between SARS-CoV and SARS-CoV-2.

To begin the test, a self-collected anterior nares swab samples in individuals aged 14 and older or individuals between the age of 8 to 14 a swab collected by a parent or guardian is inserted into the Reagent Tube. This Reagent interacts with the specimen and facilitates exposure of the appropriate viral antigens to the antibodies used in the test. The Test Strip is added to the Reagent Tube now containing the specimen and Reagent Solution.

If the extracted specimen contains SARS-CoV-2 antigens, a pink-to-red Test Line, along with a blue procedural Control Line will appear on the Test Strip indicating a positive result. If SARS-CoV-2 is not present, or is present at very low levels, only a blue procedural Control Line will appear.

MATERIALS SUPPLIED WITH the At-Home COVID-19 Test Kit

- Swabs – individually wrapped sterile foam swabs
- Test Strips – individually packaged, single-use strips
- Pre-filled Tubes
- Tube Holder
- Instruction Sheet
- Patient Fact Sheet

NOTE: This test comes in a 2 test, 5 test, 25 test quantity. The number of items supplied in the kit will vary depending on which kit was purchased.

MATERIALS NOT SUPPLIED WITH the At-Home COVID-19 Test Kit

- Clock, Timer, or Stopwatch
- Hand soap and water or hand sanitizer for cleaning your hands
- Safety mask or other face covering
- Gloves
- Household waste basket

WARNINGS and PRECAUTIONS

- For *in vitro* diagnostic use
- For prescription use only
- Read the written instructions fully before starting the procedure

- If uncertain how to proceed, contact Technical Assistance (see below)
- Keep testing kit and kit components out of the reach of children and pets before and after use
- Wear safety mask or other face covering when collecting anterior nares swab specimen from child or another individual
- Use of gloves is recommended when conducting testing.
- This product has not been FDA cleared or approved; but has been authorized by FDA under an Emergency Use Authorization (EUA)
- This product has been authorized only for the detection of proteins from SARS-CoV-2, not for any other viruses or pathogens.
- The emergency use of this product is only authorized for the duration of the declaration that circumstances exist justifying the authorization of emergency use of in vitro diagnostics for detection and/or diagnosis of COVID-19 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.
- Do not open the test material until ready for use
- Do not reuse the used Test Strip, Reagent Tubes, or swabs.
- The Test Strip must remain sealed in the protective foil pouch until use. The user should never open the foil pouch of the Test Strip exposing it to the ambient environment until the Test Strip is ready for immediate use. If the test strip is open for an hour or longer, invalid test result may occur.
- Do not touch swab tip when handling the swab.
- When collecting an anterior nasal swab sample, only use the nasal swab(s) provided in the kit.
- Inadequate or inappropriate specimen collection, may yield false negative test results.
- To obtain accurate results, you must follow the Package Insert instructions.
- Testing should be performed in an area with adequate ventilation.
- Individuals with color-impaired vision may not be able to adequately interpret test results
- Dispose of all materials in household waste.
- Do not use the QuickVue At-Home COVID-19 Test Kit after its expiration date.
- Wash hands thoroughly or use hand sanitizer after handling
- The Reagent Solution contains harmful chemicals (see table below). If the solution contacts the skin or eye, flush with copious amounts of water. If irritation persists, seek medical advice: https://www.poison.org/contact-us or 1-800-222-1222

Hazardous Ingredients for Reagent Solution		
Chemical Name/CAS	**Harms (GHS Code) for each ingredient**	**Concentration**
Sodium Phosphate Monobasic Monohydrate/10049-21-5	Causes skin irritation (H315) Causes serious eye irritation (H319) May cause respiratory irritation (H335)	0.7%
Sodium Phosphate Dibasic Anhydrous/7558-79-4	Causes serious eye damage (H318) Causes serious eye irritation (H319)	0.7%
C12-14-Alkyldimethyl-betaines/66455-29-6	Causes severe skin burns and eye damage (H314) Causes serious eye damage (H318) Causes skin irritation (H315) Causes serious eye irritation (H319)	0.03%
ProClin® 300	Harmful if swallowed (H302) Harmful if inhaled (H332) Causes severe skin burns and eye damage (H314) May cause an allergic skin reaction (H317)	0.03%

EDTA Tetrasodium Salt/64-02-8	Harmful if swallowed (H302) Causes serious eye damage (H318) Causes serious eye irritation (H319) Harmful if inhaled (H332) May cause respiratory irritation (H335) May cause damage to organs (H371), single exposure	0.2%

KIT STORAGE and STABILITY

You can store the testing kit at room temperature in a place out of direct sunlight and out of reach of children until its expiration date. After that date the kit should be discarded in household waste.

PLANNING

If you are performing the test for more than one person complete all of the steps for one person's test before starting the next collection. This will help avoid possible mix-ups of specimens and test results. Take time to review the product information, quick reference instructions and training material prior to testing.

BEFORE STARTING

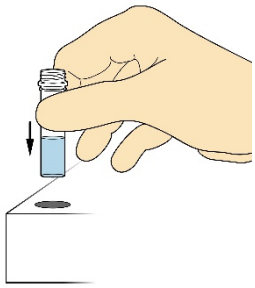
- Read these instructions carefully
- Complete the steps in order
- Gather all kit components required for running the test
- If collecting a sample or performing the test on another individual, a face covering and gloves should be worn
- Before starting the test, wash your hands with soap and water or use hand sanitizer

TEST PROCEDURE

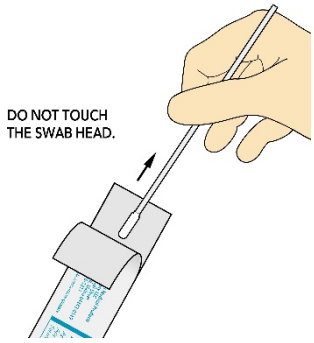
Test materials and clinical specimens must be at room temperature before beginning the assay. Use of gloves is recommended when conducting testing.

1. Remove and identify kit components and instructions.

2. Remove cap from one pre-filled tube and place back in the tube holder

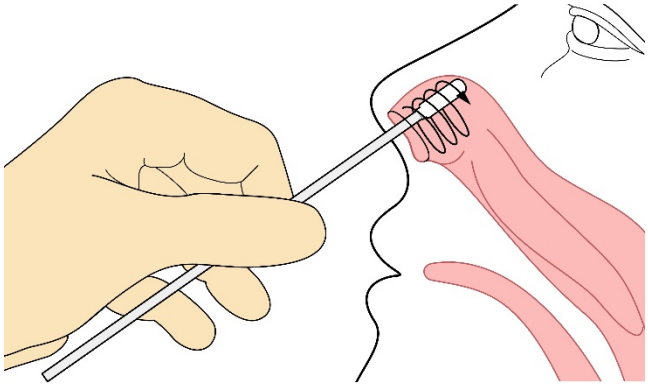


3. Peel open the wrapper from the anterior nares swab. Note: Do not touch the swab head or remove the anterior nares swab until ready for sample collection



COLLECTING A SAMPLE

1. Hold the swab approximately halfway up the handle and gently insert the swab ½ to ¾ of an inch into the nostril, depending on the size of the person's nose
2. Rub the swab around the inside wall of each nostril at least 4 times. Take approximately 15 seconds to collect the sample. This is done with the same swab.

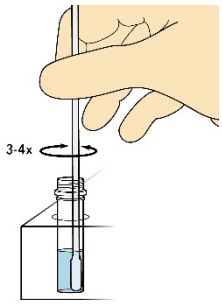


Note: Please wear a face covering if collecting specimen from an individual aged 8 years or older. With children, the maximum depth of insertion into the nostril may be less than ¾ of an inch and you may need to have a second person to hold the child's head while collecting. Samples should be processed as soon as possible after collection.

Note: Inadequate or inappropriate specimen collection, may yield false negative test results

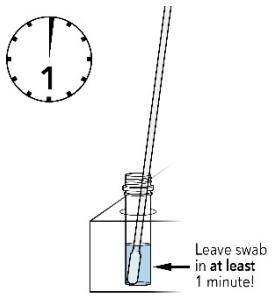
PERFORMING THE TEST

1. Immediately place the swab into the open pre-filled tube. Be sure the swab is touching the bottom of the tube. Stir or twirl swab 3 or 4 times.

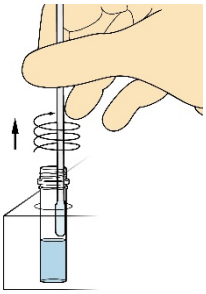


2. After stirring or twirling, leave the swab in the tube for at least one minute (use a timer or watch). **Note: this step is very important, do not remove the swab prior to one minute.**

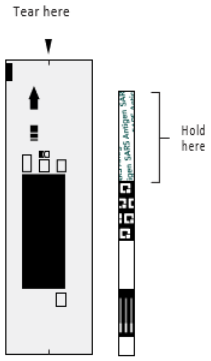
   Note: Incorrect or invalid results may occur if the incubation time is too short or too long.



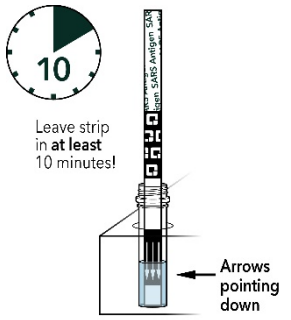
3. After one minute, carefully remove the swab from the tube. As you remove the swab, rub the swab head against the wall of the tube to squeeze out as much liquid as possible. Do not touch the swab head. Immediately discard the swab into the garbage.



4. Prepare the Test Strip by opening the strip pouch carefully at the tear here mark. Remove the Test Strip carefully and only hold the top portion of the strip.



5. Place the Test Strip into the open pre-filled tube with the arrows pointing down. Leave the strip in the tube for 10 minutes. Do not handle or move the strip until the 10 minutes is complete.

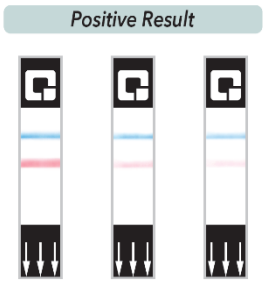


6. After 10 minutes, remove the Test Strip from the pre-filled tube and place on a flat surface with good lighting. Inspect the strip for test results. **The Test Strip must be read within 5 minutes after being removed from the pre-filled tube to avoid inaccurate results.** Wash hands with soap and water or use hand sanitizer when complete.

   Note: False positive, false negative or invalid results may occur if the strip is read beyond the recommended time period.

INTERPRETATION OF RESULTS

Positive Result*:
At 10 minutes, the appearance of ANY shade of pink-to-red Test Line AND the appearance of a blue procedural Control Line indicates a positive Test Result for the presence of SARS-CoV-2 antigen. Results can only be read for an additional five (5) minutes after being remove from the tube at the 10-minute read time. Do not read the Test Strip more than fifteen minutes after placing into pre-filled tube.

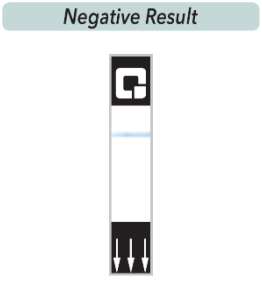


**A positive result does not rule out co-infections with other pathogens*

Look closely! The test strip on the far right is a positive result. Even if you see a very faint, pink Test Line and a blue Control Line, this is a POSITIVE Test Result.

C = Control Line
T = Test Line

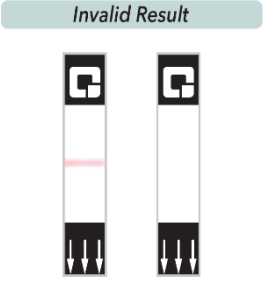
Negative Result:**
At 10 minutes, the appearance of ONLY the blue procedural Control Line indicates SARS antigen was note detected. Results can only be read for an additional five (5) minutes after the 10-minute read time. Do not read the Test Strip more than fifteen minutes after placing into pre-filled tube.



*** A negative result does not exclude SARS-CoV-2 infection. Negative results should be treated as presumptive and may need to be confirmed by a molecular assay.*

Invalid Result:
If at 10 minutes, the blue Control Line does not appear, even if any shade of pink-to-red Test Line appears, the result is invalid.

If at 10 minutes, the background color does not clear and it interferes with the reading of the test, the result is also invalid.



If the Test Result is invalid, a new swab should be collected, and the test should be performed again with a new pre-filled tube and Test Strip.

LIMITATIONS

- The test is intended for direct anterior nares swab specimens only. Using another sample collection device or method may cause false results.
- The contents of this kit are to be used only for the qualitative detection of SARS-CoV-2 antigens from anterior nares nasal swab specimens.
- A negative tests result may occur if the level of antigen in a sample is below the detection limit of the test or if the sample was collected improperly.

- This test detects both viable (live) and non-viable, SARS-CoV-2. Test performance depends on the amount of virus (antigen) in the sample and may or may not correlate with viral culture results performed on the same sample.
- Failure to follow the Performing the Test and Interpretation of Results may adversely affect test performance and/or invalidate the Test Results.
- Positive Test Results do not rule out co-infections with other pathogens.
- Negative results should be treated as presumptive, and confirmation with another SARS-COV-2 assay, if necessary, should be done.
- If the differentiation of specific SARS viruses and strains is needed, additional testing, in consultation with state or local public health departments, is required. Please discuss with your healthcare provider.
- The performance of this test was established based on the evaluation of a limited number of clinical specimens collected between January, 2021 and February, 2021. The clinical performance has not been established in all circulating variants but is anticipated to be reflective of the prevalent variants in circulation at the time and location of the clinical evaluation. Performance at the time of testing may vary depending on the variants circulating, including newly emerging strains of SARS-CoV-2 and their prevalence, which change over time.

CONDITIONS OF AUTHORIZATION FOR HEALTHCARE PROVIDERS

The QuickVue At-Home COVID-19 Test Letter of Authorization, along with the authorized Fact Sheet for Healthcare Providers, the authorized Fact Sheet for Patients, and authorized labeling are available on the FDA website: https://www.fda.gov/medical-devices/coronavirus-disease-2019-covid-19-emergency-use-authorizations-medical-devices/vitro-diagnostics-euas.
However, to assist Healthcare Providers prescribing or using the QuickVue At-Home COVID-19 Test ("your product" in the conditions below), the relevant Conditions of Authorization are listed below:

- All prescribing healthcare providers must collect information on the performance of your product in the ordinary course of business and report to DMD/OHT7-OIR/OPEQ/CDRH (via email: CDRH-EUA-Reporting@fda.hhs.gov) and you (via email: via email: QDL.COV2.test.event.report@quidel.com, or via phone by contacting Quidel Customer Support Services at 800.874.1517 (in the U.S.) or 858.552.1100) any suspected occurrence of false positive or false negative results and significant deviations from the established performance characteristics of your product of which they become aware.

- All prescribing healthcare providers must report all test results they receive from patients who use your product to relevant public health authorities in accordance with local, state, and federal requirements, using appropriate LOINC and SNOMED codes, as defined by the Laboratory In Vitro Diagnostics (LIVD) Test Code Mapping for SARS-CoV-2 Tests provided by the Centers for Disease Control and Prevention (available at: https://www.cdc.gov/csels/dls/sars-cov-2-livd-codes.html). Healthcare providers will also report to Quidel Corporation, when requested by Quidel, how many individuals reported test results compared to how many tests they prescribed.

CLINICAL PERFORMANCE

The QuickVue At-Home COVID-19 Test was compared to a Reference Extracted EUA SARS-CoV-2 RT-PCR Assay using fresh self-collected or parent/guardian collected anterior nares swab specimens and healthcare provider collected anterior nares swab specimens. Symptomatic subjects were enrolled within six days of the onset of symptoms from a multi-site prospective clinical study. The subjects included in the study were provided a Quick Reference Instruction (QRI) and the test kit. No additional training or instructions were provided. Testing occurred in subjects' home, a private, home-like environment within an outpatient clinic, or in subjects' cars.

One hundred sixty-one (161) patients suspected of having COVID-19 were enrolled in the on-going prospective clinical study at five collection sites. The healthcare collected swabs were sent on cold packs to the Quidel laboratory in Athens, Ohio for EUA SARS-CoV-2 RT-PCR testing. The Reference Extracted SARS-CoV-2 RT-PCR Assay testing was performed on the swabs according to the device's instructions for use.

The table below summarizes the data from the one hundred and sixty-one specimens:

Patient Demographics

Patient demographics (age, elapsed time from date of on-set) for the combined data are provided below.

The specimen positivity breakdown based on age of the patient:

Age	**QuickVue At-Home COVID-19 Test (N=161)**		
	Total #	Total Positive	Prevalence
≤ 5 years	0	0	0.0%
6 to 21 years	23	5	21.74%
22 to 59 years	130	32	24.62%
≥ 60 years	8	3	37.50%

The specimen positivity breakdown based on days post onset:

Days Post Symptom Onset	**QuickVue At-Home COVID-19 Test**		
	# Specimens Tested	# Positive Specimens	% Positive
0	22	5	22.7%
1	36	3	8.3%
2	53	14	26.4%
3	24	7	29.2%
4	9	3	33.3%
5	10	4	40.0%
6	7	4	57.1%

Comparison of QuickVue At-Home COVID-19 Test and an authorized EUA Molecular comparator assay with anterior nares swabs								
Number Tested	True Positive	False Positive	True Negative	False Negative	PPA%	NPA%	PPA 95% CI	NPA 95% CI
161	39	1	114	7	84.8	99.1	71.8 to 92.4	95.2 to 99.8

ANALYTICAL PERFORMANCE
Limit of Detection

The Limit of Detection (LoD) of the QuickVue At-Home COVID-19 Test was determined using limiting dilutions of heat-inactivated SARS-CoV-2 (ZeptoMetrix 0810587CFHI). The ZeptoMetrix material is a preparation of SARS-Related Coronavirus 2 (SARS-CoV-2), isolate USA-WA1/2020, that has been inactivated by heating at 65°C for 30-minutes. The material was supplied frozen at a concentration of 9.55×10^6 $TCID_{50}$/mL.

The study to determine the QuickVue At-Home COVID-19 Test LoD was designed to reflect the assay when using direct swabs. Individual foam swabs (the same swab that is provided with the kit) were placed into the limiting dilutions. The swabs were then processed according to the QuickVue At Home COVID-19 Test. The results were recorded for each swab in the study.

The LoD was determined in three steps:

1. LoD Screening
   10-fold dilutions of the heat inactivated virus were made in negative nasal matrix in saline and processed for each study as described above. These dilutions were tested in triplicate. The lowest concentration demonstrating 3 of 3 positives was chosen for LoD range finding. Based on this testing, the concentration chosen was $TCID_{50}$ per mL of 9.55×10^4.

2. LoD Range Finding
   A 1:3 and 1:5 dilution was made of the 9.55×10^4 $TCID_{50}$ per mL dilution from the previous study yielding concentrations of 3.18×10^4 $TCID_{50}$ per mL and 1.91×10^4 $TCID_{50}$ per mL, respectively. (Note: 9.55×10^3 $TCID_{50}$ per mL was previously determined to be negative (0/3).

3. LoD Confirmation

   The concentration 1.91×10^4 dilution was tested twenty (20) times. Twenty (20) of twenty (20) results were positive. Based on this testing the concentration was confirmed as $TCID_{50}$ per mL of 1.91×10^4.

Analytical Reactivity/Inclusivity

The analytical reactivity of the monoclonal antibodies targeting SARS-CoV-2 in the QuickVue At-Home COVID-19 Test were evaluated with a currently available SAR-CoV-2 strain (see table below).

2019-nCoV Strain/Isolate	Source/Sample Type	Concentration
USA-WA1/2020	ZeptoMetrix 0810587CFHI	9.55×10^6 $TCID_{50}$/mL

Cross-Reactivity

Cross-reactivity of the monoclonal antibodies used for the detection of SARS-CoV-2 was evaluated by testing various microorganisms (13) and viruses (16) that may potentially cross-react with the QuickVue At-Home COVID-19 Test. Each organism and virus were tested in triplicate. The final concentration of the organisms and viruses are documented in the table below:

Cross-Reactivity/Interference of QuickVue At-Home COVID-19 Test					
Virus/Bacteria/Parasite	Strain	Source/ Sample type	Concentration	Cross-Reactivity Results*	Interference Results*
Adenovirus	Type 1	Isolate	$4.57e^6$ U/mL	No Cross-Reactivity	No Interference
Coronavirus	229e	Isolate	$1.17e^5$ U/mL	No Cross-Reactivity	No Interference
Coronavirus	OC43	Isolate	$9.55e^6$ U /mL	No Cross-Reactivity	No Interference
Coronavirus	NL63	Isolate	$1.41e^5$ U/mL	No Cross-Reactivity	No Interference
MERS-CoV (heat-inactivated)	Florida/USA-2_Saudi Arabia_2014	Isolate	$3.55e^5$ U /mL	No Cross-Reactivity	No Interference

Cross-Reactivity/Interference of QuickVue At-Home COVID-19 Test					
Virus/Bacteria/Parasite	Strain	Source/ Sample type	Concentration	Cross-Reactivity Results*	Interference Results*
Mycoplasma pneumoniae	M129	Isolate	3.16×10^6 CCU/mL	No Cross-Reactivity	No Interference
Streptococcus pyogenes	Z018	Isolate	$4.30e^6$ cfu/mL	No Cross-Reactivity	No Interference
Influenza A H3N2	Brisbane/10/07	Isolate	$1.17e^5$ U/mL	No Cross-Reactivity	No Interference
Influenza A H1N1	New Caledonia/20/99	Isolate	$3.55e^5$ U/mL	No Cross-Reactivity	No Interference
Influenza B	Brisbane/33/08	Isolate	$1.17e^6$ U/mL	No Cross-Reactivity	No Interference
Parainfluenza	Type 1	Isolate	$5.01e^5$ U/mL	No Cross-Reactivity	No Interference
Parainfluenza	Type 2	Isolate	$2.19e^6$ U/mL	No Cross-Reactivity	No Interference
Parainfluenza	Type 3	Isolate	$2.82e^6$ U /mL	No Cross-Reactivity	No Interference
Parainfluenza	Type 4b	Isolate	$2.30e^6$ U/mL	No Cross-Reactivity	No Interference
Enterovirus	Type 68	Isolate	$1.26e^6$ U/mL	No Cross-Reactivity	No Interference
Human Metapneumovirus	A1 (IA10-s003)	Isolate	$3.80e^6$ U/mL	No Cross-Reactivity	No Interference
Respiratory Syncytial Virus	Type A (3/2015 Isolate #3)	Isolate	$4.17e^5$ U/mL	No Cross-Reactivity	No Interference
Human Rhinovirus	N/A	Inactivated virus	Not available	No Cross-Reactivity	No Interference
Chlamydophila pneumoniae	AR-39	Isolate	2.8×10^6 IFU/mL	No Cross-Reactivity	No Interference
Haemophilus influenzae	Type b; Eagan	Isolate	$4.54e^6$ cfu/mL	No Cross-Reactivity	No Interference
Legionella pneumophila	Philadelphia	Isolate	$3.76e^6$ cfu/mL	No Cross-Reactivity	No Interference
Streptococcus pneumoniae	Z022; 19f	Isolate	$4.52e^6$ cfu/mL	No Cross-Reactivity	No Interference
Bordetella pertussis	A639	Isolate	$3.82e^6$ cfu/mL	No Cross-Reactivity	No Interference
Pneumocystis jirovecii-S. cerevisiae Recombinant	W303-Pji	Isolate	$6.86e^6$ cfu/mL	No Cross-Reactivity	No Interference
Mycobacterium tuberculosis	H37Ra-1	Isolate	$3.12e^6$ cfu/mL	No Cross-Reactivity	No Interference
Staphylococcus epidermidis	MRSE; RP62A	Isolate	$9.27e^6$ cfu/mL	No Cross-Reactivity	No Interference
Staphylococcus aureus MSSA	NCTC 8325	Isolate	$5.50e^6$ cfu/mL	No Cross-Reactivity	No Interference
Staphylococcus aureus MRSA	0801638	Isolate	$2.76e^6$ cfu/mL	No Cross-Reactivity	No Interference
Candida albicans	Z0006	Isolate	$6.27e^6$ cfu/mL	No Cross-Reactivity	No Interference
Coronavirus HKU1 was not tested for cross-reactivity due to lack of availability. 19 specimens containing Coronavirus HKU1 were tested and all resulted as negative, additional cross-reactivity wet testing was not required.					

* Testing was performed in triplicate

**CCU/mL is Color Changing Units as calculated according to a modified Reed-Muench method based on dilutions which produced a color change in the broth.

*** The stock is inactivated virus with no quantitation provided.

**** IFU/mL is infectious units per milliliter

Hook Effect*:*

As part of the LoD study the highest concentration of heat-inactivated SARS-CoV-2 stock available ($TCID_{50}$ per mL of 9.55 $x10^6$) was tested. There was no Hook effect detected.

Endogenous Interference Substances Studies:

A study was performed to demonstrate that twenty (20) potentially interfering substances that may be found in the upper respiratory tract do not cross-react or interfere with the detection of SARS-CoV-2 in the QuickVue At-Home COVID-19 Test.

Potentially Interfering Substances for QuickVue At-Home COVID-19 Test				
Substance	**Active Ingredient**	**Concentration**	**Cross-Reactivity Results***	**Interference Results***
Afrin – nasal spray	Oxymetazoline	15% v/v	No Cross-Reactivity	No Interference
Homeopathic (Alkalol)	Alhahol	15% v/v	No Cross-Reactivity	No Interference
Blood (human)	Blood	15% v/v	No Cross-Reactivity	No Interference
Chloraseptic, Cepacol	Benzocaine, Menthol	1.5 mg/mL	No Cross-Reactivity	No Interference
CVS throat spray	Phenol	15% v/v	No Cross-Reactivity	No Interference
Flonase	Fluticasone	15% v/v	No Cross-Reactivity	No Interference
Halls Relief Cherry Flavor	Menthol	15% v/v	No Cross-Reactivity	No Interference
Mupirocin Ointment	Mupirocin	10 mg/mL	No Cross-Reactivity	No Interference
Nasocort Allergy 24 hour	Triamcinolone	15% v/v	No Cross-Reactivity	No Interference
NasalCrom Spray	Cromolyn Sodium	15% v/v	No Cross-Reactivity	No Interference
NeilMed SinuFlow Ready Rinse	Sodium chloride, Sodium bicarbonate	15% v/v	No Cross-Reactivity	No Interference
NeilMed SinuFrin Plus	Oyxmetazoline HCl	15% v/v	No Cross-Reactivity	No Interference
Neo-Synephrine	Phenylephrine hydrochloride	15% v/v	No Cross-Reactivity	No Interference
Oseltamivir	Oseltamivir	2.5 mg/mL	No Cross-Reactivity	No Interference
Purified mucin protein	Mucin protein	2.5 mg/mL	No Cross-Reactivity	No Interference
Rhinocort	Budesonide (Glucocorticoid)	15% v/v	No Cross-Reactivity	No Interference
Saline nasal spray	Saline	15% v/v	No Cross-Reactivity	No Interference
Tobramycin	Tobramycin	4.4 µg/mL	No Cross-Reactivity	No Interference
Zanamivir	Zanamivir	282.0 ng/mL	No Cross-Reactivity	No Interference
Zicam Cold Remedy	Galphimia glauca, Luffa operculata, Sabadilla	15% v/v	No Cross-Reactivity	No Interference

* Testing was performed in triplicate

ASSISTANCE

If you have any questions regarding the use of this product, please call QuickVue at Home product support 833-QUICKVUE (833-784-2588). Test system problems may also be reported to the FDA through the MedWatch medical products reporting program (phone: 800.FDA.1088; fax: 800.FDA.0178; http://www.fda.gov/medwatch).

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REF XXXXX – QuickVue at Home

IVD

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GLOSSARY

REF Catalogue number	LOT Batch code
 Use by	 Manufacturer
 Temperature limitation	 Intended use
Rx ONLY Prescription use only	 Consult instructions for use
IVD For *In Vitro* diagnostic use	 Contains sufficient for 25 determinations
CONT Contents/Contains	CONTROL + Positive control
CONTROL – Negative control	