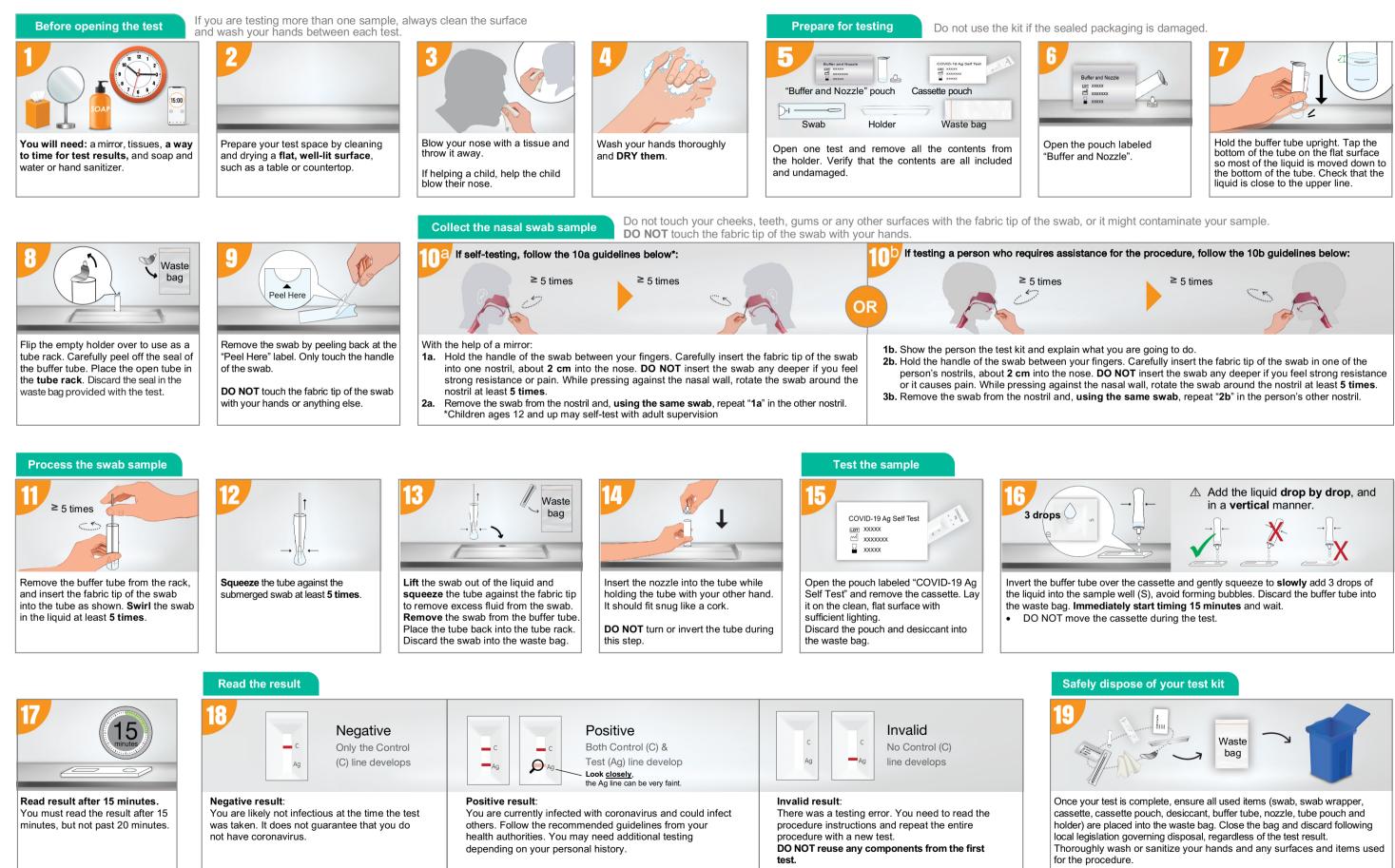
INSTRUCTIONS FOR USE

R0182CST REF

- Read these instructions before testing and follow the steps in order. Keep this guide as a reference until the entire kit is used.
 - Each test will take 10-15 minutes to set up and another 15-20 minutes to get the test results.
 - Store the test kit at room temperature or in a cool, dry place (2°C-30°C). Keep the kit away from direct sunlight and do not store it in a freezer. Keep the test kit away from children.
 - Use the test kit at room temperature (15°C-30°C). If you stored the kit in an area colder than 15°C, leave it at room temperature for 30 minutes before starting the test.



OnSite[®] COVID-19 Ag Self Test REF R0182CST (€ 2265

Instructions for Use

INTENDED USE

The OnSite COVID-19 Ag Self Test is a single-use lateral flow immunoassay for the qualitative detection of SARS-CoV-2 nucleocapsid antigens in nasal swab specimens from individuals suspected of COVID-19, within the first seven days of the onset of symptoms. The test is intended for use by individuals 18 years or older, or children ages 12 and up with adult supervision, as an aid in identifying SARS-CoV-2 infection.

The OnSite COVID-19 Ag Self Test does not differentiate between SARS-CoV and SARS-CoV-2.

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 other bacterial or viral infections. Individuals who test positive should self-quarantine following the recommended guidelines from their health authorities, and seek proper care from their healthcare provider.

Negative results from patients with symptom onset beyond seven days should be confirmed with a molecular assay. Negative results do not rule out SARS-CoV-2 infection and should not be used as the sole basis for treatment or patient management 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. Those who test negative and continue to exhibit symptoms associated with COVID-19 such as fever, difficulty breathing and/or cough may still have SARS-CoV-2 infection and should check with their healthcare provider.

This product is intended to be used for self-use and/or for adults over the age of 18 in a non-laboratory setting, or by children ages 12 and up with adult supervision. For in vitro diagnostic use only

WARNINGS AND PRECAUTIONS

- 1. Read these instructions and follow the steps in order to ensure accurate results.
- For in vitro diagnostic use. 2
- The chemicals in the buffer tube (a detergent, ProClin 300, and sodium 3. azide) are known to be non-toxic, at the levels present in the liquid. The buffer should only be used as directed; do not ingest; keep out of the reach of children; avoid contact with skin and eyes.
- 4 Do not overload the sample well with specimen.
- 5. When opening the test kit, verify that all contents are included and undamaged. Do not use the test if any contents are damaged.
- 6 Be sure to blow your nose before opening and starting the test. Too much viscous mucus on the swab, after transfer to the test cassette, might give incorrect results
- Do not use this test to monitor disease progress or treatment.
- The OnSite COVID-19 Ag Self Test kit showed 98.6% accuracy when 8 tested by laymen. A positive result means that you are very likely infected with coronavirus and could infect others.
- 9. The fabric tip of the nasal swab may tickle or cause mild discomfort when in use. If you feel pain, stop the test and seek advice from your healthcare provider.
- 10. If your results are negative and you continue to have symptoms associated with COVID-19 such as fever, difficulty breathing and/or cough, you should take another test. You may have a different virus or infection causing your symptoms.
- 11. A negative test result does not guarantee that you don't have coronavirus. You may have COVID-19 and still get a negative result (known as a false negative) if:
 - You did not perform the test accurately, such as not collecting the sample correctly or not waiting 15 minutes for your result.
 - The amount of virus antigen present in the sample was below the test limits
 - You have had signs and symptoms of COVID-19 for longer than С seven (7) days. This means you can still have COVID-19 even though the test is negative. Please see your healthcare provider for the next steps you should take
- 12. A positive result means you are very likely infected with coronavirus and there is a risk of infecting others. Follow the recommended guidelines from your health authorities such as self-quarantining at home to avoid spreading COVID-19 to others. Follow up with your healthcare provider to determine the best care for you based on your results. You may need additional testing depending on your personal history.

- 13. No visible C line means that your result is invalid and there was a testing error. This could be caused by overflowing the test cassette with too much sample, or by extra mucus on the sample. You need to read the procedure instructions and repeat the entire procedure with a new kit.
- 14. You must read the results within the 15-20 minute window. Any result read later than 20 minutes must be repeated with a new test.
- 15. As long as the C line appears, any visible Ag line is a positive result. If you are not confident in the result interpretation, repeat the test.
- 16. This test is specific for testing nasal swab samples ONLY. Using a throat or saliva sample will give inaccurate results
- 17. If you had symptoms for more than seven days you can still have COVID-19 even though the test is negative. Please see your healthcare provider for next steps.
- 18. Opening the pouch too early and exposing the cassette prematurely may lead to inaccurate results. If the steps are not followed as instructed, the performance of the test may be affected.
- 19. If contents of the buffer tube are spilled while performing the test, clean the spill with dish soap and water. Dispose all contents of the open test kit into the waste bag, then discard the waste bag in the trash can. Repeat the entire procedure with a new test
- 20. The performance of this test has only been validated for self-testing and for adults or children 12 and above.

LIMITATIONS

- 1. Test results should be considered in addition to clinical correlation with patient history, other diagnostic information, and guidance from your healthcare provider
- This test is limited to the detection of proteins from SARS-CoV-2 only, not for any other viruses or pathogens
- A negative result may occur if the amount of virus antigen present in the sample is below the test limits.
- 4 Inaccurate results may occur if the swab sample has not been properly collected and processed.

Inaccurate results may occur if: not enough buffer has been used into 5. the sample well, the sample well is overloaded with buffer, or if buffer has been loaded too fast into the sample well and formed air bubbles.

- Inaccurate results may occur if the swab specimen has not been swirled and squeezed into the extraction tube at least 5 times.
- 7. Inaccurate results may occur if the results are read before the 15-20 minute window or after 20 minutes
- 8 False negative results are likely if you have had signs and symptoms of COVID-19 for longer than seven (7) days. You may still have COVID-19 even though the test is negative.
- The test detects both viable and non-viable SARS-CoV and SARS-CoV-2 antigens. Test performance depends on antigen loaded in the sample. A positive test does not rule out the possibility that other pathogens may be present
- OnSite COVID-19 Ag Self Test has been tested by laymen using the procedure in this Instructions for Use. Follow the steps in the Instructions for Use correctly to ensure accurate results.

PERFORMANCE CHARACTERISTICS

1. Clinical Performance

The clinical performance of the OnSite COVID-19 Ag Self Test was evaluated at a clinical site in Germany in swab specimens collected from symptomatic subjects suspected of COVID-19. Samples were tested by the OnSite COVID-19 Ag Self Test and by a real-time Polymerase Chain Reaction (RT-PCR) assay for the detection of SARS-CoV-2, which was used as the reference method for this study. The performance of the OnSite COVID-19 Ag Self Test in these studies is shown on the table below:

PT PCP Test (Peference)	OnSite COVID-19 Ag Self Test Result		
RT-PCR Test (Reference)	Positive	Negative	Total
Positive	114	4	118
Negative	0	100	100
Total	114	104	218

Relative Sensitivity: 96.6% (95% CI: 91.6-98.7%); Relative Specificity: 100% (95% CI: 96.3-100%); Total Agreement: 98.2% (95% CI: 95.4-99.3%)

2. Analytical Performance

2.1 Analytical Sensitivity (Limit of Detection, LoD)

The LoD of the OnSite COVID-19 Ag Self Test was determined by evaluating a serial dilution of Gamma-Irradiated SARS-CoV-2 virus lysate (BEI Resources, NR-52287). Multiple negative nasopharyngeal or nasal swab specimens were eluted in PBS and were combined and mixed thoroughly to create clinical negative matrix pools for each matrix, to be used as the diluent. Inactivated SARS-CoV-2 virus lysate was diluted in each of these matrices to generate virus dilutions for testing. Each NP or nasal swab was spiked with 50 µL of each virus dilution, extracted with extraction buffer and tested

according to the product IFU. The assay LoD was determined for both NP and nasal swab specimens as the lowest concentration that was detected ≥ 95% of the time in the respective specimen matrix.

The LoD of the OnSite COVID-19 Ag Self Test in both nasopharyngeal and nasal swab matrices was determined to be 280 TCID₅₀/mL. The OnSite COVID-19 Ag Self Test detects the Alpha (U.K.), Beta (South Africa), Gamma (Brazil), Delta (India), Eta (Nigeria), Iota (USA), Kappa (India), Lambda (Peru), P.2 (Brazil), and B.1.620 variants at similar levels as the original SARS-CoV-2 strain

2.2 Analytical Specificity (Cross-Reactivity and Microbial Interference) The analytical specificity of the OnSite COVID-19 Ag Self Test was evaluated by testing commensal and pathogenic microorganisms that may be present in the nasal cavity. Each of the organisms was tested at least in triplicate in the presence of 2-3X LoD recombinant SARS-CoV-2 NP antigen. No crossreactivity (except for SARS-coronavirus) or microbial interference were observed with the following microorganisms when tested at the concentration presented in the table below:

Potential Cross-Reactant	Concentration	Cross-Reactivity (Yes/No)
SARS-coronavirus NP antigen	25 µg/mL	Yes
MERS-coronavirus NP antigen	25 µg/mL	No
Human coronavirus HKU1 NP antigen	66 µg/mL	No
Human coronavirus 229E	1.77×10 ⁵ TCID ₅₀ /mL	No
Human coronavirus OC43	0.53×10 ⁵ TCID ₅₀ /mL	No
Human coronavirus NL63	0.51×10 ⁵ TCID ₅₀ /mL	No
Adenovirus	7×10 ⁸ NIU/mL	No
Human Metapneumovirus (hMPV)	0.76×104 TCID50/mL	No
Parainfluenza virus 1	5.01×10 ⁴ TCID ₅₀ /mL	No
Parainfluenza virus 2	1.6 x 105 TCID50/mL	No
Parainfluenza virus 3	1.6 x 10 ⁶ TCID ₅₀ /mL	No
Parainfluenza virus 4	1.15×10 ⁵ TCID ₅₀ /mL	No
Influenza A NP antigen	180 µg/mL	No
Influenza B NP antigen	200 µg/mL	No
Enterovirus	2.8 x 10 ⁵ TCID ₅₀ /mL	No
Respiratory syncytial virus	2.8 x 104 TCID50/mL	No
Rhinovirus	2.2 x 10 ⁵ PFU/mL	No
Haemophilus influenzae	5.2 x 10⁵ CFU/mL	No
Streptococcus pneumoniae	>2×10 ³ CFU/mL	No
Streptococcus pyogenes	3.6 x 10⁵ CFU/mL	No
Candida albicans	4.5×10 ⁶ TCID ₅₀ /mL	No
Pooled human nasal wash, representative of normal respiratory microbial flora	N/A	No
Bordetella pertussis	3.9 x 10 ⁷ CFU/mL	No
Mycoplasma pneumoniae	4.4 x 10 ⁵ CFU/mL	No
Chlamydophila pneumoniae	1.4 x 10 ⁷ IFU/mL	No
Legionella pneumophila	7.8 x 10 ⁵ CFU/mL	No
Mycobacterium tuberculosis	>2×10 ³ CFU/mL	No
Pneumocystis jirovecii (PJP)	3.45×10 ⁶ CFU/mL	No

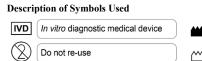
3. Interfering Substances

The following potentially interfering substances, naturally present in respiratory specimens or that may be artificially introduced into the nasal cavity or nasopharynx, were evaluated with the OnSite COVID-19 Ag Self Test at the concentrations listed in the following table and were found not to affect test performance for detection of both positive and negative specimens:

Interfering Substance	Concentration	Interfering Substance	Concentration
Mucin	0.5%	Ribavirin	1 mg/mL
Whole Blood	4%	Peramivir	1 mg/ml
Phenylephrine	15% v/v	Tobramycin	4 µg/mL
Fluconazole	5% w/v	Diphenhydramine	0.08 mg/dL
Budesonide	5% w/v	Dextromethorphan	1.56 µg/dL
Nasal Gel	2% v/v	Acetaminophen	199 uM
Menthol	1.5 mg/mL	Acetylsalicylic Acid	3 mg/dL
Benzocaine	1.5 mg/mL	Mupirocin	10 mg/mL
Lopinavir	5 mg/mL	HAMA	4 ng/mL
Zanamivir	5 mg/mL	Biotin	100 µg/mL
Oseltamivir	5 mg/mL		

4. Hook Effect

No high dose hook effect was observed when tested with up to a concentration of 3×108 pg/mL of recombinant SARS-CoV-2 NP antigen with the OnSite COVID-19 Ag Self Test.



$(\underline{\mathbb{A}})$	Do not re-use
۲	Do not use if package is damaged
Ť	Keep dry
紊	Keep away from sunlight
2°C 1 30°C	Store between 2-30°C
i	Consult instructions for use
Σ_2	Contains sufficient for 2 tests

***	Manufacturer	
[]	Date of manufacture	
REF	Catalog number	
LOT	Batch code	
\leq	Used-by-date	
CE	CE marking	
EC REP	Authorized representative in the European Community / European Union	



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For Export Only, Not For Re-sale in the USA.

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