COVID-19 Testing Updates for K-12 Schools
2021-2022 K-12 COVID-19 Testing Summary

- The South Dakota Department of Health will provide Abbott BinaxNOW COVID-19 Antigen test cards to K-12 school districts during the 20-21 school year; Abbott BinaxNOW tests will be provided for on-demand **diagnostic testing** of individuals with symptoms of COVID-19.

- SDDOH will also provide a second testing opportunity using the Quidel QuickVue At-Home OTC COVID-19 antigen test; Quidel OTC tests will be provided for weekly **screening testing** of asymptomatic individuals at-home.

- SDDOH will provide SARS-CoV-2 testing supplies and personal protective equipment for K-12 schools during the 21-22 school year.
COVID-19 Diagnostic Testing Program Development

1. **Consent:** Establish a testing consent process in consultation with legal counsel; SDDOH has a written consent template for use; participation is voluntary.

2. **Location:** Identify a location in your facility to perform testing that is away from high-traffic areas, allows easy access, and can be sanitized between each test performed.

3. **Training:** Train staff to perform the SARS-CoV-2 test; training materials are available from each test manufacturer.

4. **Specimen Collection and Testing:** Provide testing to the appropriate patient group(s) using personal protective equipment (PPE) and with strict adherence to test instructions.

5. **Waste Management:** Dispose of infectious waste including PPE and used test materials safely and immediately.

6. **Data Reporting:** Report all data to the South Dakota Department of Health using the department’s online disease reporting tool.
COVID-19 Screening Testing Program Development

1. **Registration:** Establish a registration process to determine the students and adults that want to participate in weekly testing; participation is voluntary.

2. **Distribution:** Provide students and adults with test kits to be performed at home.
## DOH-Sponsored COVID Testing Opportunities for K-12

<table>
<thead>
<tr>
<th></th>
<th>Abbott BinaxNOW</th>
<th>Quidel QuickVue OTC</th>
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<tbody>
<tr>
<td><strong>Test Type</strong></td>
<td>Antigen</td>
<td>Antigen</td>
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<tr>
<td><strong>Patient Population</strong></td>
<td>Symp/Asymp</td>
<td>Symp/Asymp</td>
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<tr>
<td><strong>Specimen Type</strong></td>
<td>Nasal</td>
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<tr>
<td><strong>Specimen Collection</strong></td>
<td>Self/Adult</td>
<td>Self/Adult</td>
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<tr>
<td><strong>Perform In-School?</strong></td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Perform At-Home?</strong></td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Immediate Results?</strong></td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Standing Medical Order?</strong></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>CLIA Certificate Required?</strong></td>
<td>Yes</td>
<td>No</td>
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<tr>
<td><strong>Reporting Required?</strong></td>
<td>If performed in-school</td>
<td>If performed in-school</td>
</tr>
<tr>
<td><strong>Free Supplies from DOH?</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Abbott BinaxNOW Antigen Test: In-School Diagnostic Testing
Abbott BinaxNOW Overview

1. Add the extraction reagent
2. Insert the sample nasal swab
3. Rotate the nasal swab shaft three times
4. Close the test card; wait 15 minutes
5. Results are read visually

- Pink/Purple control line
- Pink/Purple sample line

**POSITIVE RESULT**

**NEGATIVE RESULT**
Abbott BinaxNOW: Resources

Helpful Documents:
• Abbott BinaxNOW Package Insert
• Abbott BinaxNOW Procedure Card
• Abbott BinaxNOW Patient Fact Sheet
• Abbott BinaxNOW Healthcare Provider Fact Sheet

Abbott Technical Services Team:
• Phone: 1-800-257-9525
• Email: ts.scr@abbott.com
Quidel QuickVue OTC Antigen Test: In-Home COVID-19 Screening
Quidel QuickView OTC Overview
Quidel QuickVue OTC Antigen Test
Detailed Instructions
Quidel QuickView OTC Overview

**STEP 1:**
Check Your Test Kit

Locate the kit components:
It is recommended gloves (not provided) also be used during testing.

- Tubes
- Tube Holder
- Swabs
- Watch or Timer (not included)
- Test Strips
Quidel QuickView OTC Overview

STEP 2: Place Tube in the Tube Holder

Remove cap from one TUBE and place it in the TUBE HOLDER.

NOTE: Use of gloves is recommended.
**Quidel QuickView OTC Overview**

**STEP 3: Swab the Nostrils**

**A** Remove the SWAB from its wrapper, being careful not to touch the SWAB head.

**B** Gently insert the SWAB ½ to ¾ of an inch into the nostril, depending on the size of the person’s nose. Firmly rub the SWAB in a circular motion around the inside wall of EACH NOSTRIL at least 4 times.

Be sure to rub BOTH nostrils with the SAME SWAB.

**NOTE:** If you are swabbing others, please wear a face mask. With children, you may not need to insert the swab as far into the nostril. For very young children, you may need another person to steady the child’s head while swabbing.

**NOTE:** Failure to swab properly may cause false negative results.
Quidel QuickView OTC Overview

**STEP 4:** Place Swab in the Tube

A. Immediately place the **SWAB** into the liquid inside the **TUBE**, and ensure it is touching the bottom. Stir 3-4 times.

B. Leave the swab in the solution for **ONE MINUTE**.

**NOTE:** If the swab is in the solution for more than 10-minutes it should not be used.

Leave swab in at least 1 minute!
Quidel QuickView OTC Overview

**STEP 5:** Remove Swab from the Tube

A After **ONE MINUTE**, remove the swab from the **TUBE** by rubbing the swab head against the inside wall of the tube to squeeze out as much liquid as possible.

B Dispose of swab in the trash.
Quidel QuickView OTC Overview

STEP 6: Open the Test Strip

Open the TEST STRIP pouch carefully at the slit and hold the TEST STRIP as indicated.
Place the **TEST STRIP** into the **TUBE** with the arrows pointing down. Leave the strip in the **TUBE** for a **FULL TEN MINUTES** - do not handle or remove.
Quidel QuickView OTC Overview

**STEP 8:**
Remove Test Strip from the Tube

At **TEN MINUTES**, remove the **TEST STRIP** from the **TUBE** and place on the test strip outline in Steps 10-12. Ensure the **TEST STRIP** is on a flat surface in good lighting.

**NOTE:** The test is intended to be read at 10 minutes. If the test is read before this or is read more than 5 minutes after the indicated read time, results may be inaccurate (false negative, false positive, or invalid) and the test should be repeated.
Quidel QuickView OTC Overview

**STEP 9: Check Your Results**

There are three types of results possible.

1. Check for a Positive Result
2. Check for a Negative Result
3. Check for an Invalid Result

**Positive Result**
A POSITIVE result must show BOTH a BLUE line and a PINK line near the BLUE line.
Look closely! Even a very faint, pink Test Line and a blue Control Line is a POSITIVE result.
The intensity of the lines may vary.

**Negative Result**
A NEGATIVE result will show a BLUE line but NO PINK line.

**Invalid Result**
If there is NO LINE, or if there is ONLY a PINK line, the test is INVALID and you should repeat the steps starting at the beginning using a new TUBE, SWAB, and TEST STRIP.
Quidel QuickView OTC Overview

**QuickVue At-Home OTC COVID-19 Test**

**STEP 13:**
Dispose Used Test in the Trash

All used test components should be disposed of in your household waste.
Helpful Documents:
- Instructions for Use
- Healthcare Provider Package
- Frequently asked Questions

Technical Assistance:
- Phone: 1-833-784-2588
Supply Requests
Testing Supplies for K-12 Schools

• Abbott BinaxNOW Kits and Quidel QuickVue OTC kits must be ordered through the Department of Education.

• Please contact Joe Moran (Joe.Moran@state.sd.us) to order test kits.

• Please do not send requests for testing supplies to any other email address.
Personal Protective Equipment for K-12 Schools

- Personal protective equipment is available from the Department of Health.
- Please contact Jennifer Rattling Leaf (Jennifer.RattlingLeaf@state.sd.us) to order personal protective equipment.
- Please do not send requests for PPE to any other email address.
Infection Prevention
Specimen Collection & Handling of Point-of-Care and Rapid Tests

Updated Dec. 30, 2020

For personnel collecting specimens or working within 6 feet of patients suspected to be infected with SARS-CoV-2, maintain proper infection control and use recommended personal protective equipment (PPE):

- N95 or higher-level respirator (or face mask if a respirator is not available)
- Eye protection
- Gloves
- Lab coat or gown

Perform hand hygiene and don new gloves between each patient.

For personnel handling specimens but not directly involved in the collection (e.g., self-collection) and not working within 6 feet of the patient, follow Standard Precautions. It is recommended that personnel wear well-fitting cloth masks, facemasks, or respirators at all times while at the point-of-care site where the testing is being performed.

Disinfect surfaces within 6 feet of the specimen collection and handling area before, during, and after testing and at these times:

• Before testing begins each day
• Between each specimen collection
• At least hourly during testing
• When visibly soiled
• In the event of a specimen spill or splash
• At the end of every testing day

Disinfectants: Not all are created equal!

- **EPA Approved List N Disinfectants** will kill the coronavirus SARS-CoV-2 (COVID-19) when used according to the label directions.

- Use this site to determine if your product is List N approved: [https://www.epa.gov/coronavirus/about-list-n-disinfectants-coronavirus-covid-19-0](https://www.epa.gov/coronavirus/about-list-n-disinfectants-coronavirus-covid-19-0)
Physical Layout & Considerations for Testing Area

• Consider the physical space where the testing will be performed.

• Carefully consult CDC guidance on infection control practices for managing patients with suspected or confirmed COVID-19 and for specimen collection and handling. Collecting nasopharyngeal specimens can induce coughing or sneezing, which can spread COVID-19.

• Do not keep testing and other supplies in the immediate specimen collection area to avoid the possibility of contamination test materials.

• Develop a plan for isolating individuals who are symptomatic or whose test results are returned positive.

• Provide face masks, tissues, trash bins and 60-95% alcohol-based hand sanitizer.

Have Infection Control Questions? Contact Us!

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Kipp.Stahl@state.sd.us

Leah.Bomesberger@state.sd.us
Questions??