Land Acknowledgment

We would like to acknowledge that we are gathered today on the traditional territories of the Musqueam, Squamish and Tsleil-Waututh peoples.

Source: www.johomaps.net
In today’s session

• Review the presentation
• Observe a demonstration of the rapid antigen nasal swab testing
• Perform a return demonstration of the rapid testing procedure
• Complete the competency skill assessment
• Review the documents and resources
What is COVID-19 rapid antigen testing?

• Simple, convenient and cost-effective test
• Detects the SARS COVID antigen (protein) inside the virus, does not test for COVID-19 DNA
• Sample is collected using a nasal swab
• Performed in the care home
• Rapid – results available in 15 minutes

• Results
  • Negative
  • Positive
    • Preliminary results which needs to be confirmed by a standard lab PCR test
  • Invalid
Why use rapid testing?

• Cost effective, convenient, fast
• Sensitivity: 91.4%; Specificity: 99%
• Asymptomatic individuals who may be carrying the virus; previous COVID 19 infection; have had the COVID-19 vaccine
• Voluntary, from 1 day per work week to 3 times per work week
• Antigen is detected earlier (1-3 days) before active symptoms are experienced
• Minimize and eliminate spread of the virus
• Minimize the number of people who can fall ill from the virus
Safety considerations:

• Who is the COVID-19 rapid screener?
  • Can be a nurse (RN, LPN, RPN)
  • Can be a unregulated health care provider
    • Processes in place in case of reactions, unexpected outcomes such as nosebleeds, fainting, etc.
  • Needs to be trained and pass competency assessment

• Setting up screening station
  • Provide privacy
  • Access to table with correct height for tester, wipeable chair

• Following infection control measures
  • Setting testing station from clean to dirty
  • Following physical distancing
  • Wearing necessary PPE
  • Performing hand hygiene frequently
  • Cleaning & disinfecting work station and equipment
COVID-19 rapid test device kit

**Product Information**

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<thead>
<tr>
<th><strong>Cat No/REF:</strong></th>
<th>41FK10</th>
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<tbody>
<tr>
<td><strong>Sample Type:</strong></td>
<td>Nasal swab</td>
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<tr>
<td><strong>Quantity:</strong></td>
<td>25 tests/kit</td>
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<tr>
<td><strong>Storage:</strong></td>
<td>2-30°C</td>
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<tr>
<td><strong>Shelf Life:</strong></td>
<td>12 months</td>
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<tr>
<td><strong>Test Time:</strong></td>
<td>15 minutes</td>
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<td><strong>Multiple Language IFU:</strong></td>
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<tr>
<td>English</td>
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<td>Spanish</td>
<td>Russian</td>
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<tr>
<td>French</td>
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Kit contents: everything you need

Materials provided:
- 25 sterile nasal swab
- 25 cartridges
- 25 extraction tubes & 25 blue caps
- 1 buffer bottle
- 1 tube rack
- 1 quick reference guide
- 1 instructions for use
- 1 positive control swab (discard)
- 1 negative control swab (discard)

Required & not provided:
- PPE (gloves, gowns, eye protection, mask)
- Oxivir or Caviwipes
- Timer
- Biohazard container
- 2 biohazard bags
- Lab requisitions
- Cell Phone
- Pen, sharpie
- Kleenex
- Chair & Table
- Log Sheet
Rapid antigen testing process overview

Ordering supplies
- Start pre-planning for kits needed
- Place your order with supply chain
- You will receive your order within 24-48 hours

Preparing your testing area
- Ensure testing station maintains privacy & confidentiality
- Required PPE is available
- Wipeable chair and table
- Have the necessary kits, supplies and documents available

Performing the test
- Don on the necessary PPE
- Prepare the extraction tube with buffer, NP swab & cartridge
- Provide information to the individual being tested

Analyzing the sample
- If no line present, result is invalid
- If control line is red, result is negative
- If control line and test line are red, result is positive
- Follow necessary steps for a preliminary positive result

Clean up
- Clean all surfaces by following infection control measures
Getting ready to test:

- Follow all infection control measures including the use of necessary PPE & cleaning products

- Collect all supplies
  - Kits (check expiry date on side of the box)
    - Check expiry date & lot number of the kit (on the side) and the buffer expiry date and lot number
      - write on the staff log sheet
  - Staff log sheet, pen, sharpie
  - Biohazard bag, PCR NP swab kit, lab requisitions
  - Cell phone
  - Kleenex
  - Garbage bin
Test preparation:

- Quality control is completed at supply warehouse
- Remove the cartridge package just before testing & check expiry date
  - Assure cartridge is intact and not damaged
  - Place on flat surface and write the staff person’s sample number on the device with a sharpie according to the log sheet
Test preparation:

- Hold buffer bottle vertically to dispense about 12 drops of buffer fluid into the extraction tube to the marked line
- If multiple people being tested, get several tubes ready with buffer fluid
- Write the sample number on the side of the extraction tube with a sharpie (to match the staff log sheet) on each tube
- Place the extraction tube in the tube rack
Nasal swab sample collection:

- Open the nasal swab package
  - Inspect to make sure it is intact and straight
  - Slide the swab out of the package
- Ask individual to tilt head back about 70 degrees
- Insert nasal swab about half of an inch (2 cm) into first nostril
- Gently roll swab 5 times against the nasal wall and then remove the swab
- Repeat in 2nd nostril
- Place the swab immediately into the extraction tube
Testing procedure:

• Swirl the swab tip in the buffer fluid at least 5 times
• Squeeze the swab against the tube wall with your fingers
• Snap off the swab breakpoint and place blue cap at the top
• The bottom white caps is a dropper which can be opened to test the sample
Testing procedure:

- Open the dropping white nozzle cap
- Add 5 drops of sample onto cartridge drip chamber
- Close white nozzle cap and place in tube rack
- Start the timer for 15 minutes
- Write the 15 minute end time on the cartridge with sharpie
Cartridge with sample # and time:
Test result interpretation

NOTE: the presence of any test line (T), no matter how faint, indicates a positive result.
Invalid result:

- If no line present on “C” and “T” line
- If only “T” line present and no “C” line present
- The cartridge may be defective

What to do?

- Use the sample tube to extract 5 more drops onto a new cartridge
- If unable to extract drops then ask individual to retest
- If he/she declines, then no further action required
Invalid result example
Negative result:

- The “C” line is present and no “T” line present
- The person likely is not infectious at this time

What to do?
- the individual can carry on with his/her duties
Positive Result:

• Both “C” and “T” lines are present
• This is considered a preliminary positive result & must be confirmed with a standard PCR test

What to do?
• Call the individual and ask he/she returns to testing station
• Perform an in house PCR test
• Complete 2 lab requisitions – 1 for Dr. Romney and 1 for Dr. Matic
• Place the completed PCR test in a biohazard bag fully labelled with the individuals PHN, DOB, full name. Place completed lab requisition in the pocket of the biohazard bag to be sent to Dr. Romney
• Place the collected NP swab in extracted tube in a biohazard bag with completed lab requisition for Dr. Matic
• Send both items off together to SPH
• Ask staff member to go home to self-isolate until instructed by Public Health
Positive result cont’d:

• Care Home tester/designated to contact the following people for a “preliminary positive result”:
  • Dr. Marc Romney at mromney@providencehealth.bc.ca
  • Dr. Nancy Matic at nmatic@providencehealth.bc.ca
  • Public Health at MHOandCDNurseOnCall@vch.ca

• Complete the reporting for a positive result immediately using the online Provincial eForm
Reference Guide: nasal swab
What do I report?

• Designated person to report weekly
• Report the following via email to Jillian at Jillian.Kratzer@vch.ca by Tuesday 3pm.
  • Total # of rapid antigen tests performed
  • Total # of negative results
  • Total # of positive results
  • Total # of invalid results
How do I order supplies?

COVID-19 MANUAL STOCK REQUISITION ORDER FORM

This order process only applies to sites not regularly serviced by LFC

Note: Ensure all information is complete otherwise your order will be delayed

Date: Contact Name: Contact Number

Site/Dept Name

Cost Center (Department ID#): N/A

SHIP to Code

PART A: Supplies from Warehouse  [These items are being shipped from LFC (Langley Fulfilment Center)]

SHIP TIME EXCEPTION: If an order requires a more urgent or RUSH delivery call LFC Service Desk Ann-Marie Cell: 604-613-1808

Special instructions for delivery: (Note: needed only if out of normal processes)

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<th>Category</th>
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COVID-19 Supplies Only
Ann-Marie Wanless@nhsa.ca
Lisa.Eckert@phsa.ca
Jillian.Kratzer@vch.ca
Esther.Tong@bccdc.ca
Additional documents & resources:

• [http://www.vch.ca/for-health-professionals/long-term-care-assisted-living-resources](http://www.vch.ca/for-health-professionals/long-term-care-assisted-living-resources)
  • Standard Operating Procedure
  • Presentation
  • COVID-19 rapid antigen test device video
  • Staff/visitor logbook
  • Abbott Panbio user manual
  • Rapid testing order form
  • Provincial access eform
  • Provinical downtime eForm
The End