



Saskatchewan  
Health Authority

# Point of Care Testing Training

## Abbott Panbio Antigen Test

Document # PROV-51 v3

### *Healthy People, Healthy Saskatchewan*

The Saskatchewan Health Authority works in the spirit of truth and reconciliation, acknowledging Saskatchewan as the traditional territory of First Nations and Métis People.



[saskhealthauthority.ca](https://www.saskhealthauthority.ca)

## VISION

*Healthy People, Healthy Saskatchewan*

## MISSION

We work together to improve health and well-being. Every day. For everyone.

## VALUES

- **SAFETY: *Be aware.*** Commit to physical, psychological, social, cultural and environmental safety. Every day. For everyone.
- **ACCOUNTABILITY: *Be responsible.*** Own each action and decision. Be transparent and have courage to speak up.
- **RESPECT: *Be kind.*** Honour diversity with dignity and empathy. Value each person as an individual.
- **COLLABORATION: *Be better together.*** Include and acknowledge the contributions of employees, physicians, patients, families and partners.
- **COMPASSION: *Be caring.*** Practice empathy. Listen actively to understand each other's experiences.

**PHILOSOPHY OF CARE:** Our commitment to a philosophy of Patient and Family Centred Care is at the heart of everything we do and provides the foundation of our values.



# COVID POC Testing Process (PROV-51 v3)

## Abbott Panbio Antigen Test

### Overview of the COVID Testing Process:

- Abbott Panbio™ COVID-19 Antigen Rapid Test
- Who To Test?
- Training Process
- Electronic Requisition Completion
- Result Interpretation
- Confirmatory Testing
- Result Reporting
- Roles and Responsibilities

# COVID POC Testing Process (PROV-51 v3)

## Abbott Panbio™ COVID-19 Antigen Rapid Test

- Detects viral proteins/antigens
- Used at the point of specimen collection
- Has **lower sensitivity** when compared with laboratory-based PCR testing
  - The use of a lower sensitivity test carries risks to clinical and public health decision making. However, these risks can be mitigated by implementing it in limited situations combined with careful and appropriate interpretation.
- Provides preliminary test results:
  - ✓ **Negative**: Does NOT rule out COVID-19 infection. Does NOT change any infection control precautions or isolation requirements.
  - ✓ **Positive**: Should be acted on immediately. Considered a “Presumptive Case” until confirmed by an in-lab PCR test.

# COVID POC Testing Process (PROV-51 v3)

## When to use Antigen test

### Indication #1:

*Rapid Screening of Symptomatic Suspects or Asymptomatic High Risk Contacts*

- ALL negative and positive antigen tests must be confirmed with additional in-lab PCR testing
- Does NOT rule out COVID-19 infection
  - “A negative antigen test result is meaningless; you’ve gained no information”
- Positive results should lead to immediate action

### Indication #2:

*Serial Monitoring of Asymptomatic Staff/Residents*

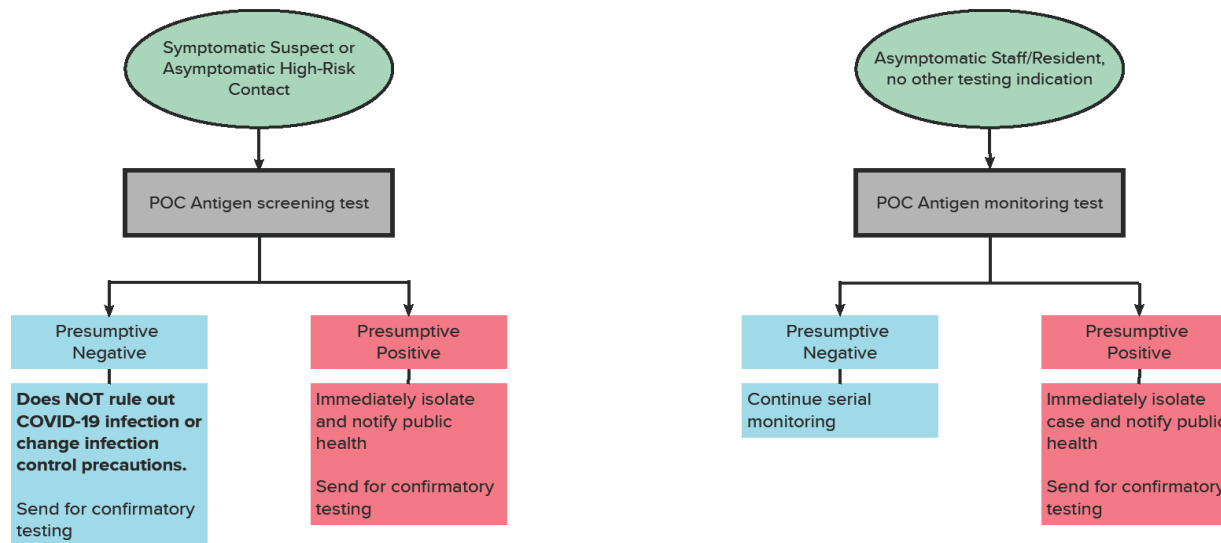
- Test residents and/or staff on a routine basis to detect individuals shedding virus before they develop noticeable symptoms
- This is outside of current Health Canada approved use and currently being trialed and evaluated



# COVID POC Testing Process (PROV-51 v3)

## When to use Antigen test

### Point of Care COVID Testing: Long Term Care Algorithm



# COVID POC Testing Process (PROV-51 v3)

## Training and Education

Training and education material has been developed to cover the entire POCT process and must be completed by all participants prior to testing:

- Training Checklist
- Training video - <https://alere.wistia.com/medias/zxmsi5shv4>
- Training Webex Abbott 1.5 hours
- Electronic Requisition and Result reporting into the provincial epidemiology datamart.

# COVID POC Testing Process (PROV-51 v3)

## Electronic Requisition Completion

- Electronic Requisition and Result reporting into the provincial epidemiology Datamart.

<https://www.youtube.com/watch?v=5p89MEHgaVI&feature=youtu.be>

- User Name and Password will be required for each individual to access the electronic requisition.

[https://oapp.saskatoonhealthregion.ca/apex/f?p=139:LOGIN\\_DESKTOP:12086930145832](https://oapp.saskatoonhealthregion.ca/apex/f?p=139:LOGIN_DESKTOP:12086930145832)

- Digital Health Work Standard is available on SHA website to access and complete the electronic requisition and enter patient results. Use the work standard for training testers.

<https://www.saskhealthauthority.ca/news/service-alerts-emergency-events/covid-19/testing-screening-treatment-medical-directives/Documents/Testing/Pandemic%20eRequisition%20%28eReq%29/InstructionManual-eReq%281%29.pdf>



# COVID POC Testing Process (PROV-51 v3)

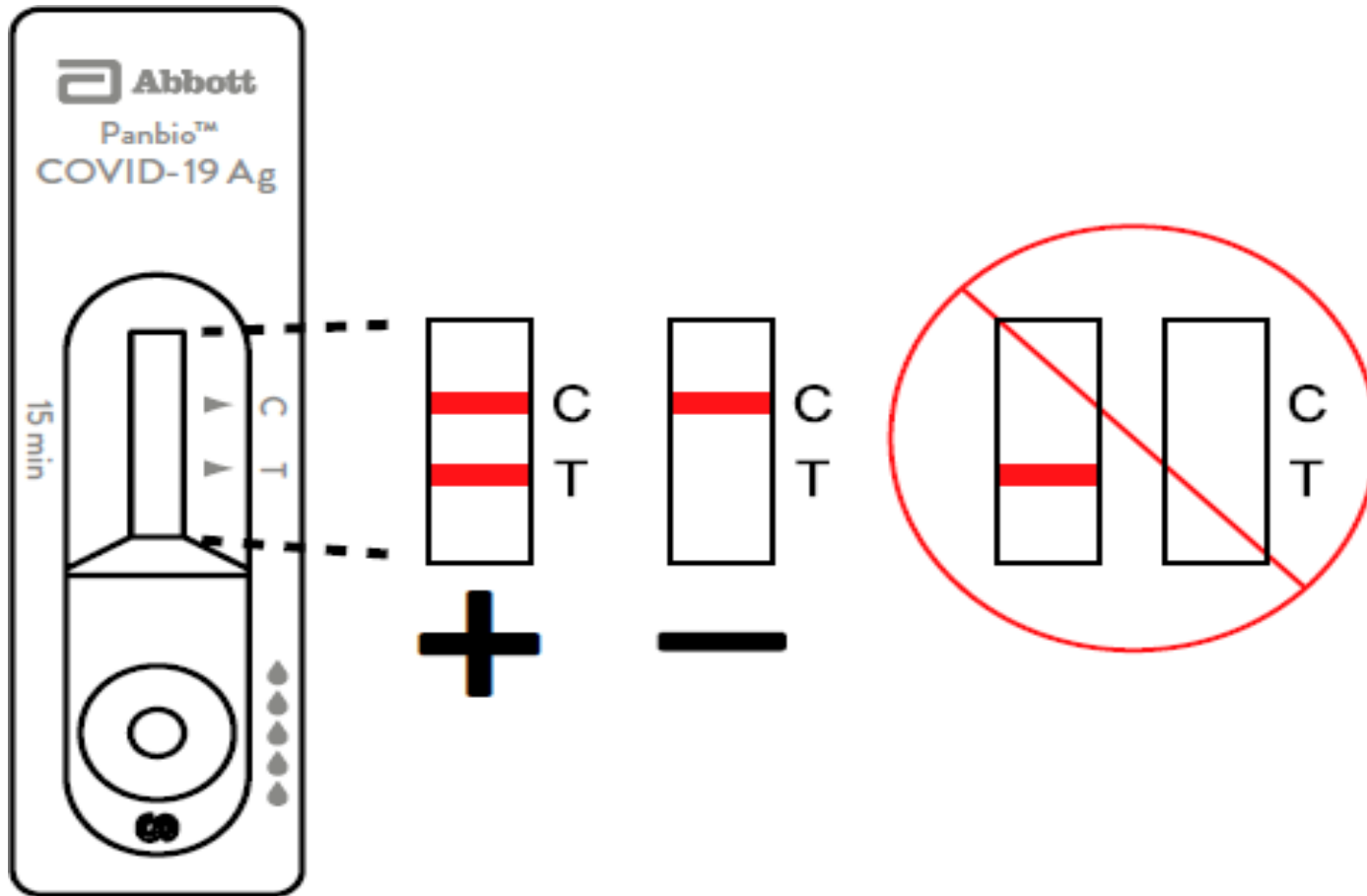
## About the COVID-19 test cartridge

- Contains a membrane strip, which is pre-coated with immobilized anti-SARS-CoV-2 antibody on the test line. The patient specimen moves upward on the membrane and reacts with anti-SARS-CoV-2 antibody.
- Internal Control line (C) on the test device is a procedural control and indicates the test is performed properly and reagents are working.
- 15 minute Turn Around Time







# COVID POC Testing Process (PROV-51 v3)

## Interpretation of Results



# COVID POC Testing Process (PROV-51 v3)

## Interpretation of Results

Test	C	T	Interpretation	Action
	Line	Line	Positive	<ul style="list-style-type: none"><li>Isolate and initiate case management</li><li>Report result to Public Health and enter result into patient's electronic requisition</li><li>Collect a new NP-swab for confirmatory in-lab PCR testing</li></ul>
	Line	No line	Negative	<ul style="list-style-type: none"><li>If patient is symptomatic or a contact to a case, collect a new NP-swab for confirmatory in-lab PCR testing</li><li>Upload result to electronic requisition</li></ul>
	No line	Line	Invalid	<ul style="list-style-type: none"><li>If enough specimen left in extraction tube, repeat test.</li><li>Send the newly collected NP-swab for in-lab PCR testing</li><li>Enter result into patient's electronic requisition</li></ul>
	No line	No line	Invalid	<ul style="list-style-type: none"><li>If enough specimen left in extraction tube, repeat test.</li><li>Send the newly collected NP-swab for in-lab PCR testing</li><li>Enter result into patient's electronic requisition</li></ul>

# COVID POCT Testing Process (PROV-50 v3)

## Confirmatory Testing

**Confirmatory Testing** must be performed on:

- All Positives
- Unresolved Invalid tests and
- Negatives where patient is suspected of COVID-19 infection.

A new NP swab should be collected, placed in viral transport media, and referred to a SHA Laboratory for confirmatory testing.

Print off the electronic requisition, after POC result entry and send along with the confirmatory specimen.

(NP swab and viral transport media should be obtained through the Materials Management supply chain.)

# COVID POC Testing Process (PROV-51 v3)

## What to DO with POCT Test Results?

- Results reporting: every POC test performed must be recorded in the provincial electronic datamart. This will involve entering resident/staff information along with the result of the test into the Electronic Requisition.
- Response to positive test: a positive POC test result is a 'Presumptive Positive' case. Immediate action should be taken to isolate the individual and notify public health following standard work processes.

# COVID POC Testing Process (PROV-51 v3)

## COVID Result Reporting

- The electronic requisition will have the capability to receive the patient result and simulate a patient report.
  - The requisition result entry reports directly into the provincial Datamart for epidemiology and reporting to the Ministry of Health
- The requisition may be printed to provide a report to the Most Responsible Physician
- AND placed on patient's chart
- Provide the COVID 19 test result to the Patient
  - Negative - “a negative POC test does not rule out infection with COVID-19, and testing should be repeated or confirmed if clinical signs and symptoms consistent with COVID-19 are present or develop”
  - Positive “you must self-isolate until you’ve been cleared by Public Health and must follow self-isolation rules”
- If result is POSITIVE:
  - Immediately Fax patient results to MHO Public Health for contact tracing
  - Isolate and initiate case management

# COVID POC Testing Process<sub>(PROV-51 v3)</sub>

## Roles and Responsibilities

### Point of Care User

- Positively identify the patient: full name, unique identifying number (HSN), noting the date and time of collection, label specimen, maintain Patient ID continuity through testing process.
- Follow procedure to perform the Abbott Panbio antigen test for the SARS-CoV-2 virus.
- Complete electronic COVID requisition for POCT test and follow reporting process.
- Maintain competency on the Abbott Panbio Antigen POCT COVID-19 test system.
- Follow accreditation requirements for patient identification, testing and reporting

### Super User

- Train Users, facilitate completion of training checklists and file in Personnel files
- Provide leadership answering questions, offering consistent solutions for Users
- Liaise with POCT MLT team and vendors
- Review and sign off performance of Quality Control and Proficiency Testing results
- Ensure competency and accreditation requirements are met by all Users.

# COVID POC Testing Process (PROV-51 v3)

## POCT Supply Chain

Contact your local SHA Materials Management Inventory for POCT COVID supplies:

Product description	SHA Order Number	Manufacturer Number
ID Now COVID 19 Test Cartridge	308572	191-000
Panbio Test Kits	308571	41FK10
Timers	308570	1464917



# Any Questions?

Please contact the POCT MLT team for assistance!

[POCTLab@saskhealthauthority.ca](mailto:POCTLab@saskhealthauthority.ca)