

## Performing the Panbio Rapid Antigen Test (nasal) Quality Control

### PURPOSE

This document provides the procedure for performing Quality Control for the Panbio COVID-19 Rapid Antigen Test (nasal). Quality Control is performed each time a new test box is opened.

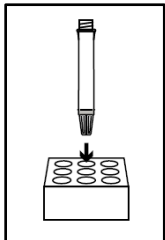
### SCOPE

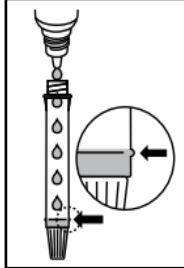
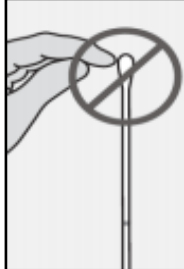
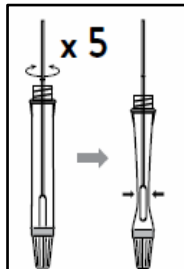
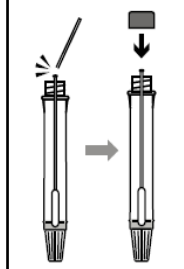
The procedure applies to all individuals with the assigned authority and responsibility to perform Panbio COVID-19 Rapid Antigen tests (nasal), have been trained to do so and passed a competency assessment.

### MATERIALS REQUIRED

- Surgical or procedure masks
- Nitrile gloves
- Goggles or face shield
- Disposable fluid resistant gowns
- Soap or 70% alcohol-based sanitizer
- Disinfectant spray or wipes
- Waste container and waste bags
- Sharpie
- Table/desk
- Timing device
- Panbio COVID-19 Rapid Antigen Test (nasal) Kit
  - Extraction tube, cap and buffer
  - Positive and negative Quality Control swabs
  - Cardboard tube rack
  - Test devices

### PROCEDURE

Step	Action	
1	Allow all Panbio kit components to reach room temperature (15 – 30°C) prior to performing quality control. Allow 30 minutes.	<b>Note:</b> Quality Control is performed each time a new test box is opened.
2	Put on PPE which must include a mask, gloves, face shield or goggles, and a fluid resistant gown. Ensure appropriate hand hygiene.	<b>Note:</b> Refer to the Personal Protective Equipment procedure for details or the quick reference guide in Appendix C.
3	Place 2 extraction tubes in the tube rack.	

4	Label the first extraction tube as positive QC and the second as negative QC.	
5	<p>Hold the extraction buffer bottle vertically and fill the extraction tubes with buffer until it reaches the fill-line of the extraction tube (approximately 10 drops).</p> <p><b>Caution:</b> Do not under or over fill the extraction tube. Too much or too little buffer can lead to a false test result.</p>	
6	Place the filled extraction tubes back in the tube rack.	
7	Place an extraction tube cap loosely on top of each extraction tube.	
8	<p>Remove the positive quality control swab from its protective wrapper.</p> <p><b>Caution:</b> Do not touch the top half of the swab.</p>	
9	Insert the positive control swab in the buffer fluid inside of the extraction tube and soak the swab for 1 minute.	
10	Swirl the swab tip in the buffer fluid inside the extraction tube, pushing it into the wall of the extraction tube at least five times. Squeeze out the swab by squeezing the extraction tube with your fingers.	
11	<p>Remove the swab, discard and close the cap of the extraction tube.</p> <p><b>Note:</b> The extracted QC should be tested immediately.</p>	
12	Dispose the remaining swab wand into a waste container.	

13	Follow the Performing the Panbio Rapid Antigen Test procedure to complete testing.	
14	Record quality control results on the Quality Control Log Sheet.	<b>Note:</b> The Quality Control Log Sheet can be found in Appendix B.
15	Perform hand hygiene and put on a fresh pair of gloves before continuing to the negative quality control swab.	
16	Return to Step 3 to extract and test the negative quality control swab.	
17	If one or both quality control swabs does not provide the correct result DO NOT use any further test units from the kit. Discard the entire kit (including buffer, tubes, and test devices) and open a new kit and repeat the quality control swabs in the new kit.	
18	If one or both quality control swabs does not provide the correct result on the new kit IMMEDIATELY STOP any further testing. Segregate the kit and contact <a href="mailto:pochelpdesk@phsa.ca">pochelpdesk@phsa.ca</a>  <b>No individuals can be tested until the issue has been resolved.</b>	<b>Note:</b> You will be contacted by a technical resources to help troubleshoot the problem within 24 hours of contact (Mon-Fri, holidays excluded).