

IGLOO READER PRO

QUICK START GUIDE



This is the Quick Start Guide for the Igloo Reader Pro device. Before use, we strongly recommend that you read the full instructions for both the device and the test. This guide is for training and daily reference only and may not include all important information.

For the latest support materials or to leave feedback, please visit the Support section on our website: <https://www.igloo.today/>. We regularly update these resources to make them as helpful as possible. Thank you for using our device.

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NAVIGATION

Results History



Main Menu



Settings Menu



Before the measurement

1



To turn the reader on - press the power button on the circle-shaped rubber bottom of the device.

2



Please connect to Wi-Fi to download calibration data. Once downloaded for a test lot, it is stored on the device and Wi-Fi is no longer required for that lot.

Alternatively, run one measurement using the Dx Care app and the reader will download and store the calibration data automatically.

Please make sure to set the time zone so the device can automatically sync the correct time from the internet.

Measurement procedure

3



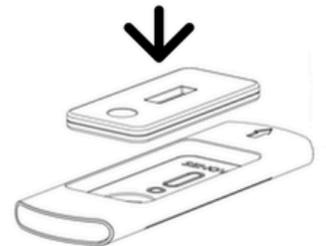
Press the button Start Measurement. Alternatively, insert the adapter with an unused test cassette into the reader. The reader will display a QR code linking to the instructions, which you can scan with your phone.

4



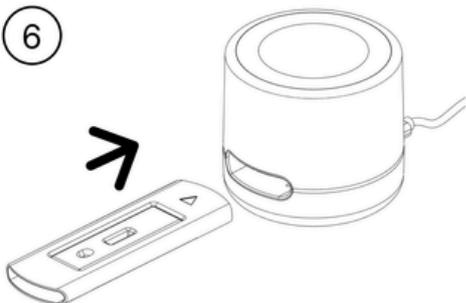
Fill in Patient Identifier, Age and Sex. By default, the incubation timer is enabled and will automatically count down the required test time. If you want to run the test without the timer, turn it off.

5



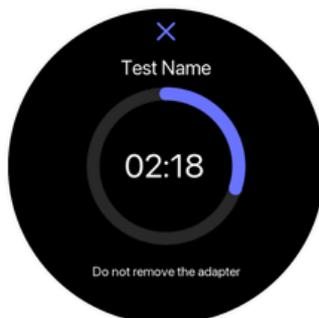
After collecting the sample, completing sample preparation, and adding the solution to the test cassette, place the cassette into the adaptor supplied with the reader. Please check the "Correct Orientation" marking on the adaptor for the test cassette.

6



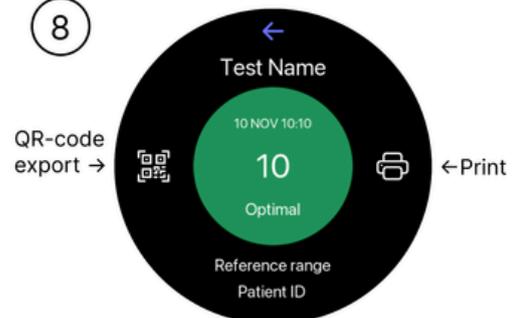
Insert the adapter with the test cassette into Reader to start the measurement. Please do it quickly so the measurement timer works correctly.

7



Measurement is now under way. Please make sure not to eject the adapter or cassette during measurement.

8



Your first measurement is complete. Each test result can be exported or printed.

Proper sample collection and strict adherence to test procedures are essential to ensure reliable results

Step	Best practice	Why it matters
Preparation	Ensure hands are warm and well perfused before sampling. If needed, warm hands in warm water for ~2 minutes and dry thoroughly. Check for conditions that may affect results (e.g., cold fingers, poor circulation, callus, edema).	Warming the hands improves blood flow, making it easier to collect enough sample and ensuring accurate results.
Disinfection	Allow disinfectant to dry completely before sampling	Prevents sample contamination or dilution
First drop handling	Discard the first drop of capillary blood; use the second drop	Reduces tissue fluid interference
Capillary blood sampling technique	Avoid excessive squeezing or massaging of the finger. Hold the finger parallel to the floor. If needed to obtain sufficient volume, apply gentle pressure proximal to the puncture site.	Excessive squeezing can affect results; proper technique ensures reliable capillary measurements.
Sample volume	Collect the exact volume specified in the test IFU	Ensures proper assay performance
Timing and handling	Mix the sample thoroughly by shaking for 30 seconds. Ensure the capillary is completely emptied into the tube; gently tap the tube if necessary and visually confirm that all blood has been released. Follow incubation times and handling steps precisely.	Maintains analytical accuracy and reliability

Igloo Reader Pro
results evaluation



How to perform
biomarker tests with
Igloo Reader Pro



Igloo Reader Pro by Dx365

Results Evaluation - Understanding Biomarker Variability

Biomarker testing is subject to natural biological and analytical variability. Small differences between methods, devices, or repeated measurements are normal and expected.

The Igloo Reader Pro uses manufacturer-defined calibration data. Results should be interpreted with consideration of the inherent variability present in all diagnostic testing.

Category	What it means	Examples of impact
Biological variability	Natural fluctuations within the individual	Age, sex, time of day, recent food intake, hydration, stress
Sample collection	Technique used during specimen collection	Insufficient volume, contamination, excessive squeezing, improper handling. Impaired peripheral circulation may cause capillary results to differ from venous blood.
Sample storage and transport	Conditions before analysis	Heat, cold, light exposure, delayed testing
Assay specificity	Differences in test design	Detection of different biomarker forms or isoforms; method differences
Measurement units	Reporting format differences	ng/mL vs nmol/L; required unit conversions
Medication and lifestyle	External influences on biomarker levels	Supplements, prescription drugs, alcohol, caffeine, physical activity

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