



POINT-OF-CARE TESTS

One device for all lateral flow assay tests. At-home and point of care.

The Igloo Pro is a portable point-of-care analyser using advanced lateral flow assay technologies to provide rapid and accurate in-vitro lateral flow testing for a wide range of blood markers, drug tests and infectious diseases.



Laboratory & Researcher

- ✓ Open platform for all lateral flow assays (LFA)
- ✓ Create your own unique menu to meet any requirements
- ✓ Dx Studio software for researchers. Professional tool for calibrating POC tests



Point of Care

- ✓ Test with laboratory accuracy in no more than 15 minutes
- ✓ Simple interface, just plug and play.
- ✓ Self-calibration with no maintenance
- ✓ User-friendly Dx Care software for medical personnel



Pharmacy & Fitness

- ✓ The best way to choose the right supplements
- ✓ Branding reports and various customisation options
- ✓ Easy to use on mobile or desktop



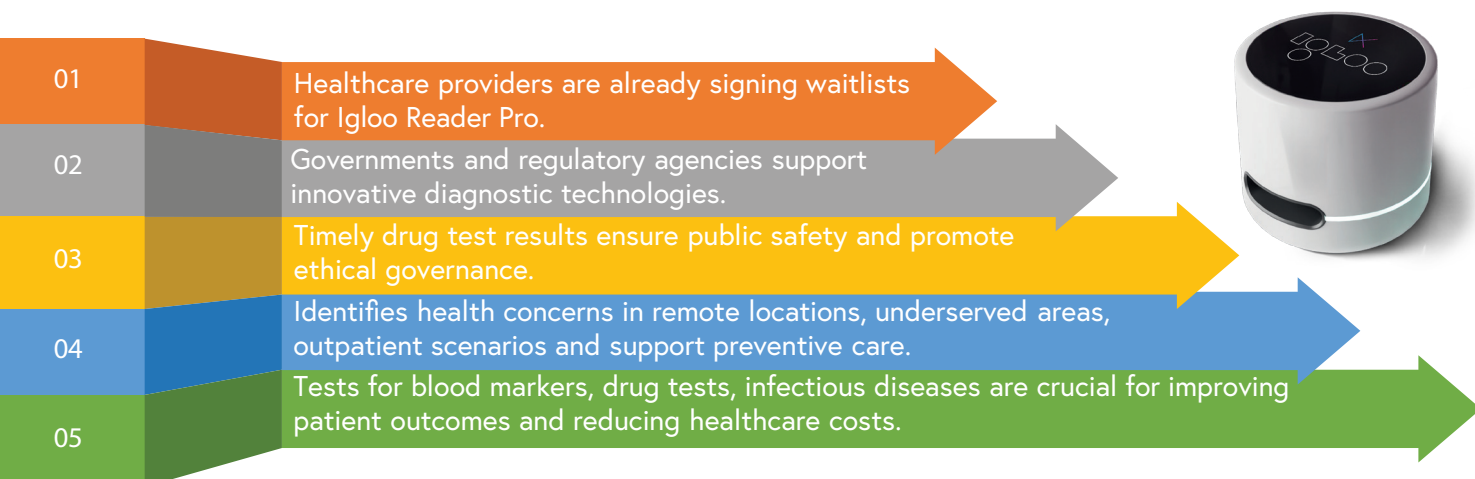
Remote testing

- ✓ Accessibility to traceable results in remote and disadvantaged areas
- ✓ Field environmental testing on farms
- ✓ Aid for police patrols, ambulances + ER and military testing
- ✓ Custom testing on ships, cruises and at airports

POINT-OF-CARE TESTS

Market opportunity of IGLOO PRO

The portable point-of-care diagnostics reader provides rapid and precise testing capabilities with the best tests in the market. These capabilities make it an invaluable tool for healthcare providers seeking to enhance their diagnostic processes and deliver the best possible care to their patients.



How can a device help to reduce high costs in healthcare?

Igloo Reader Pro makes access to diagnostics much easier and faster! People can prevent diseases through early detection and stay healthy.

Cheaper than laboratory tests

Usable everywhere

Short turnaround time

Easy capillary blood collection

Intuitive user interface

Time saving procedure

Diagnostics available at home

Patients can test themselves



Features of IGLOO PRO

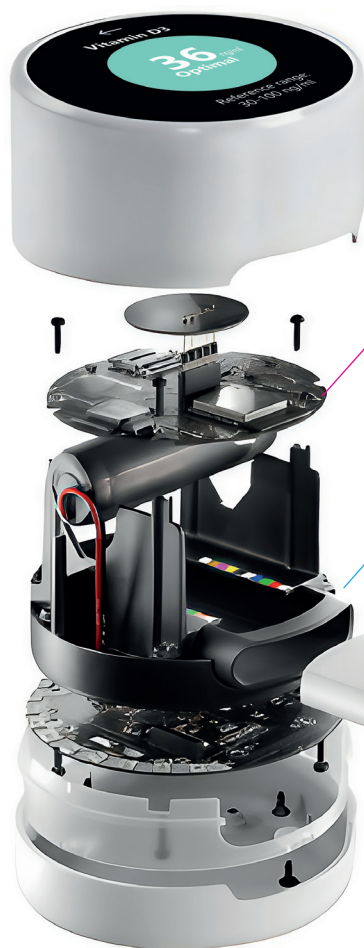
Analysis of blood markers, including inflammation, hormones, vitamins, cardiac markers and other commercially available markers.

Precise and reliable test results in seconds! (without incubation time)	Compatible with over 90% of all tests available in the market.	Compact and lightweight design for easy transport with user-friendly interface.
Easy capillary blood collection and small sample volumes.	Screening for a wide range of blood markers, drug tests, infectious diseases.	Enables secure data storage and provides exportable and printable reports.
Colorimetry and immunofluorescence technologies for quick and precise testing.	CRP, Ferritin, TSH, cTnL, Myo, Hb1Ac, D-Dimer, vitamin D, vitamin B12, and many others.	Engineered in Germany & manufactured in Poland with exceptional reliability and performance.

Lateral flow assay readers and software of the new generation.

Microfluidics	✓
Multiplex	✓
Quantum dots	✓
Immunofluorescence (various types)	✓
Dry Chemistry	✓
Colorimetric	✓
Certification	CE-IVDR ISO 45001 ISO 14001 ISO 9001 AQAP 2110 ISO 13485 FDA 510(k) in 2025
Tests	Compatibility with 90% of POC assays available on the market
Manufacturing	EU
Thermal printer available upon request	✓
Possibility to connect multiple devices to the Laboratory Information System	✓

Technical Data



COMPUTING POWER

A set of LEDs is used for radiation and a high-speed camera is used to measure the intensity of signal

FEATURES

- self-calibrating camera
- up to 100 measurement per battery charge
- wifi & Bluetooth connections

TESTS

- Highly versatile, ready to read 90% of all immunoassays tests available on the market
- Digitalization and full traceability of rapid tests
- Possibility of conversion of qualitative cassettes into quantitative results

METHODS

colorimetry, immunofluorescence, microfluids, quantum dots, dry chemistry

SAMPLES

serum / plasma / whole blood / capillary blood / saliva / hair sample / urine / stool

WEIGHT

ca. 400g

MEASUREMENTS

87,5 mm x 87,5 mm x 91 mm (LxWxH)

MEASUREMENT DURATION

few seconds (without incubation time)

ACCURACY

CV < 2% - inter-reader, CV < 3% - intra-reader

DATA STORAGE

10.000 results

BATTERY

lithium battery with up to 24 hours of continuous testing per battery charge

CONNECTION

USB-C, LIMS connectivity, WiFi, Bluetooth, connection via API to existing customer software possible

Compatibility with over 90% of POCT assays

FULLY ADAPTED - READY TO USE

Fertility Panel

FSH
AMH
Progesterone
Prolactin
Leuteinizing Hormone
hCG
Testosterone

Tumor Markers

fPSA

Diabetes Panel

HbA1c

Cardiac Panel

D-Dimer
CK-MB
cTnI

NT-ProBNP

Adrenal Panel

Cortisol

Thyroid Panel

TSH

Vitamin Panel

Vitamin D

Anemia Panel

Ferritin

Inflammation Panel

CRP

Infectious Diseases Panel

COVID-19/Influenza A and B
Streptococcus A and B
H. pylori Ab
Dengue virus

FINAL ADAPTATION PHASE - COMING SOON

Thyroid Panel

TT3

TT4

fT3

fT4

Inflammation Panel

Interleukin-6

Sepsis Panel

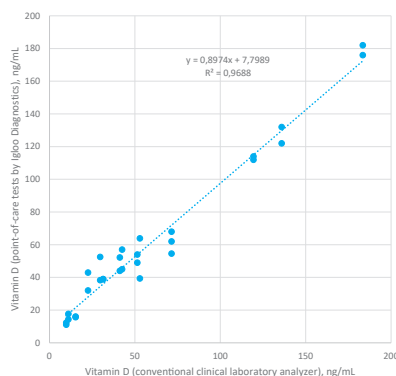
Procalcitonin

Drugs of Abuse Panel

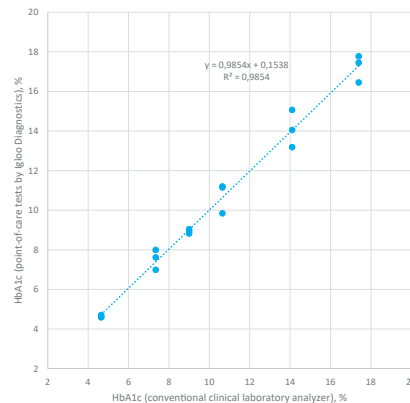
9 tests panel for drugs of abuse (AMP, MET, MDMA, BZD, COC, OPI, OXY, PCP, THC)

Almost any LFA can be adapted upon request within 3 months period. Contact us with your inquiry at hello@polarisdx.net

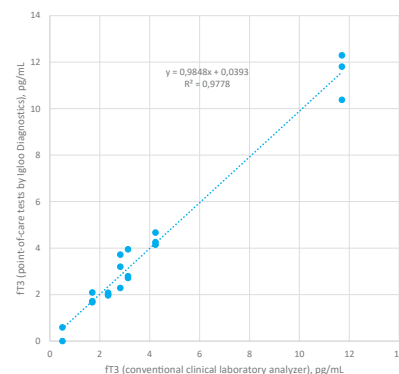
25-(OH)-Vitamin D (Affimedix)



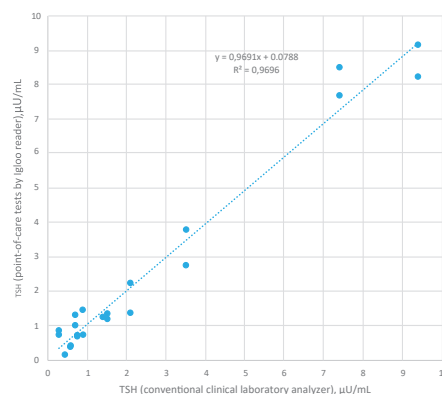
HbA1c (LansionBio)



fT3 (VitroSense)



TSH (Wizbiotech)



Distribution & Sales



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