

Actual size

Pascal RDT Platform

Improved performance and usability with built-in safety lancet, unique blood collection and delivery system, and integrated buffer delivery mechanism

The AtomoRapid ‘Pascal’ RDT platform has been designed to make rapid testing easier and more accessible. The platform includes a unique integrated buffer delivery mechanism that delivers the required quantity of chase buffer at the touch of a button.

Interlocked user steps help to mitigate common user errors, making the platform suitable for professional point of care and self test applications. It can be customised for most lateral flow test strips that use capillary blood samples.

PLATFORM FEATURES	BENEFITS
All-in-one test device	<ul style="list-style-type: none"> • Greater convenience and usability • Integration of features minimises training required for new users • Supports clinical waste control by reducing the number of potentially hazardous and contaminated test components for disposal
Contact activated, auto-retracting safety lancet	<ul style="list-style-type: none"> • Safeguards against needlestick injuries and cross-contamination • Built-in safety lancet supports compliance to best practice in capillary sampling
Innovative blood collection unit	<ul style="list-style-type: none"> • Simplifies test procedure and ensures easy blood collection • Improves blood volume accuracy
Controlled delivery of blood to the test strip	<ul style="list-style-type: none"> • Eliminates blood splatter by transferring blood sample cleanly • Delivers blood to the correct point on the test strip
Integrated buffer delivery mechanism	<ul style="list-style-type: none"> • Guarantees delivery of the correct buffer volume, enhancing test performance • Removes the need for separate buffer, providing greater convenience • Simplifies test procedure and mitigates risks of user error
Interlocked, sequenced user steps	<ul style="list-style-type: none"> • Supports compliance with test procedures • Ensures fewer user errors

PLATFORM SPECIFICATIONS			
DEVICE			
Type	Single use, disposable lateral flow RDT platform	Dimensions	125mm x 30mm x 25mm
CONTACT ACTIVATED SAFETY LANCET			
Needle gauge	21G (0.8mm)	Needle penetration depth	2.4mm
BLOOD COLLECTION UNIT		INTEGRATED BUFFER	
Blood volume	Calibrated from 5µL to 40µL	Standard buffer volume	Up to 120µL
TEST STRIP			
Dimensions	4 (±0.2)mm x 73.5 (±0.5)mm		



Lance Finger



Collect Blood



Deliver Blood

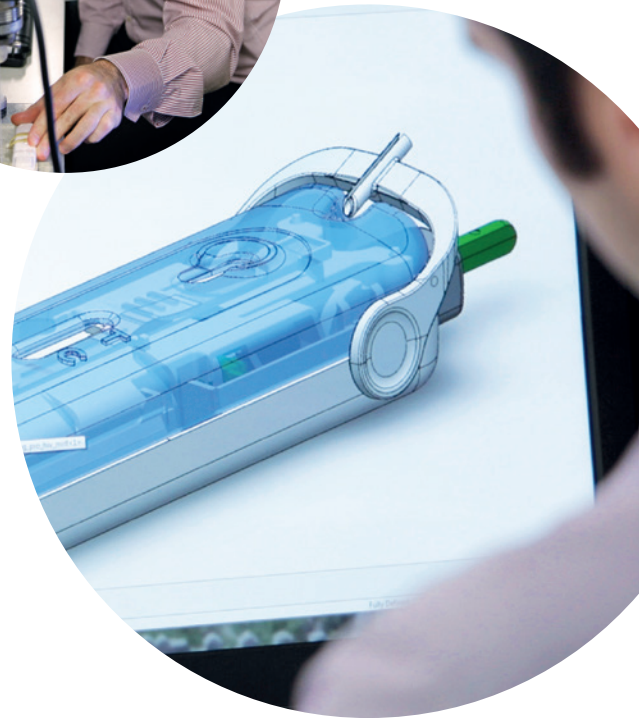


Deliver Buffer



Read Result

LBL-043-01



About Atomo Diagnostics

Atomo is a specialist medical device design and original equipment manufacturing (OEM) company with unique and proprietary technologies that improve rapid diagnostic testing by emphasising ease-of-use, accuracy and performance.

Atomo's existing patent and platform device portfolios mean that it is able to provide OEM clients with an efficient and low-risk pathway from product development to commercialisation of tests on its AtomoRapid platforms.

Atomo's all-in-one RDT device platforms put the end user first and make it easy to screen for various chronic conditions and test for a range of infectious diseases.

Quality Assurance & Regulatory

Atomo's operations are ISO 9001 and ISO 13485 certified for the design, development and manufacture of in vitro diagnostic medical devices. All OEM projects include support in the development of technical files and risk management documentation.



Design & Innovation Awards

Atomo's commitment to innovation in point of care diagnostics has been recognised internationally with multiple awards.



Connect with us

[linkedin.com/company/atomo-diagnostics](https://www.linkedin.com/company/atomo-diagnostics)

Global Offices

Australia - Corporate Headquarters

Level 2
701-703 Parramatta Road,
Leichhardt, NSW 2040

Telephone: +61 (0)2 9099 4750

UK

Bloxham Mill Business Centre,
Barford Road, Bloxham, Banbury,
Oxfordshire, OX15 4FF

Telephone: +44 (0) 1295 722867

South Africa

Umhlanga Business Centre
2 Ncondo Pl, Ridgeside
Umhlanga Ridge, Durban 4001

Telephone: +27 (0) 31 201 1484