



FLEMING

RDT PLATFORM



Improved performance and usability with built-in safety lancet and unique blood collection and delivery system, delivering a single blood sample to two separate tests.

The AtomoRapid ‘Fleming’ RDT platform has been designed to make rapid testing easier and more accessible. The platform incorporates a unique blood collection and delivery system to transfer a single blood sample to two test strips simultaneously, saving time and cost, and greatly improving convenience and usability.

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	PLATFORM SPECIFICATIONS	
DUAL TEST-STRIPS ON ONE PLATFORM	<ul style="list-style-type: none"> Provides two test results from a single blood sample, removing user steps and mitigating risks of user error Improved cost effectiveness 	TYPE	Single use, dual test-strip disposable lateral flow RDT platform.
ALL-IN-ONE TEST DEVICE	<ul style="list-style-type: none"> Greater convenience and usability Integration of features minimises the need for training Supports clinical waste control by reducing the number of contaminated and potentially hazardous test components for disposal. 	DEVICE DIMENSIONS	102mm x 29mm x 21mm
INTERLOCKED, SEQUENCED USER STEPS	<ul style="list-style-type: none"> Supports compliance with test procedures Ensures fewer user errors 	SAFETY LANCET NEEDLE GAUGE	21G
CONTACT ACTIVATED, AUTO-RETRACTING SAFETY LANCET	<ul style="list-style-type: none"> Safeguards against needlestick injuries and cross-contamination Supports compliance to best practice capillary sampling 	NEEDLE PENETRATION DEPTH	2.4mm
INNOVATIVE BLOOD COLLECTION UNIT	<ul style="list-style-type: none"> Simplifies test procedure and ensures easy blood collection Improves blood volume accuracy 	BLOOD VOLUME COLLECTED*	Designed to accommodate 5µL to 40 µL
CONTROLLED DELIVERY OF BLOOD 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 	TEST STRIP DIMENSIONS	4 (±0.2)mm x 73.5 (±0.5)mm

*other volumes may be possible, further testing will be required



LANCE FINGER



COLLECT BLOOD



DELIVER BLOOD



ADD BUFFER



READ RESULT



Award Winning Design

AtomoRapid™ Diagnostic Tests have been recognised internationally for innovative design, performance and ease-of-use.



Discover how partnering with Atomo Diagnostics can provide your business with an efficient and low-risk pathway from product development to commercialisation of your rapid diagnostic test.

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 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 13485 certified for the design, development and manufacture in vitro diagnostic medical devices.



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