



Actual size

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

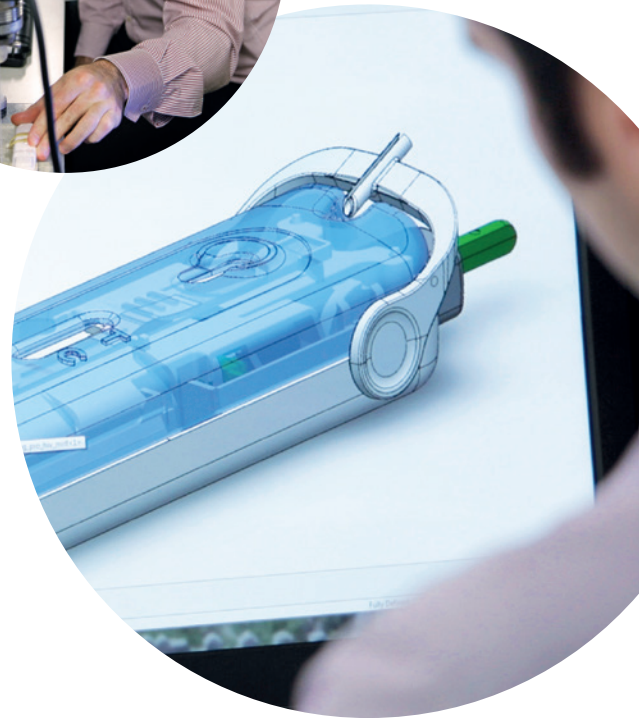
The AtomoRapid 'Fleming' RDT platform has been designed to make rapid testing easier and more accessible. The platform incorporates a unique blood collection and delivery system to transfer a single blood sample to two test strips simultaneously, saving time and cost, and greatly improving convenience 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
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
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
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, dual test strip, disposable lateral flow RDT platform	Dimensions	108mm x 29mm x 21mm
CONTACT ACTIVATED SAFETY LANCET			
Needle gauge	21G (0.8mm)	Needle penetration depth	2.4mm
BLOOD COLLECTION UNIT		TEST STRIP	
Blood volume	Calibrated from 5µL to 40µL per strip	Dimensions	4 (±0.2)mm x 73.5 (±0.5)mm



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.



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