



FRANKLIN

RDT PLATFORM



The Franklin platform is designed to support eHealth and digital connectivity in lateral flow point-of-care testing. The unique platform can be customised to suit a wide range of test applications

The AtomoRapid ‘Franklin’ RDT platform offers all-in-one convenience with a built-in safety lancet, innovative blood collection feature, integrated blood and buffer delivery system, and digital LCD result reader.

The platform has been designed to mitigate errors associated with interpretation of results, making it ideally suited for lay users and self-test applications. The LCD reader can measure line intensity on a lateral flow test strip and can quantify the level of analyte present. Customisable for most lateral flow test strips that use capillary blood samples, Franklin can also be adapted to read multiple lines.

PLATFORM FEATURES	BENEFITS	PLATFORM SPECIFICATIONS	
ALL-IN-ONE TEST DEVICE	<ul style="list-style-type: none"> • Greater convenience and usability • Enables successful first time use by lay users • Reduces the number of potentially hazardous and contaminated test components for disposal 	TYPE	Single use, disposable lateral flow RDT platform.
INTERLOCKED, SEQUENCED USER STEPS	<ul style="list-style-type: none"> • Supports compliance with test procedures • Ensures fewer user errors 	DEVICE DIMENSIONS	128mm x 28mm x 29mm
CONTACT ACTIVATED, AUTO-RETRACTING SAFETY LANCET	<ul style="list-style-type: none"> • Prevents needlestick injuries and improves safety • Supports compliance to best practice capillary sampling 	SAFETY LANCET NEEDLE GAUGE	21G
INNOVATIVE BLOOD COLLECTION UNIT	<ul style="list-style-type: none"> • Simplifies test procedure and ensures easy blood collection • Improves blood volume accuracy • Designed for use by untrained lay users 	NEEDLE PENETRATION DEPTH	2.4mm
INTEGRATED BUFFER DELIVERY MECHANISM	<ul style="list-style-type: none"> • Provides greater convenience by removing the need for a separate buffer • Enhances test performance by ensuring delivery of the correct buffer volume 	BLOOD VOLUME COLLECTED*	Designed to accommodate 5µL to 40 µL
ELECTRONIC READER AND LIQUID CRYSTAL DISPLAY (LCD)	<ul style="list-style-type: none"> • Simplifies result interpretation by giving clear indication on LCD screen • Diode-based reader detects positive results and gives quantification thereof • Greater accuracy and repeatability in determining line intensity against validated dose response curves 	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



PRESS BUTTON



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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