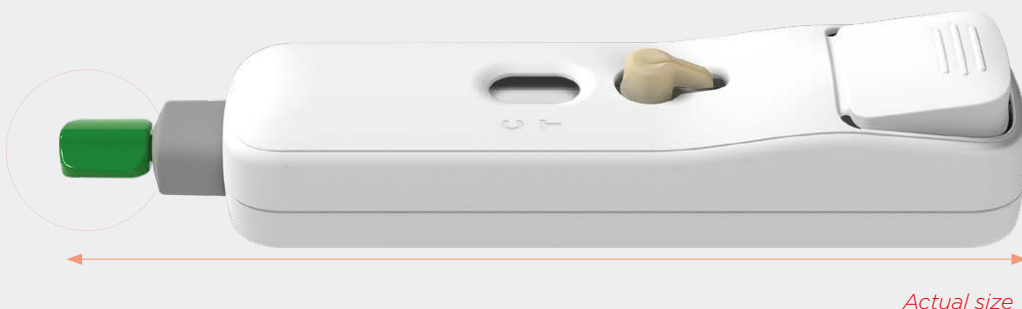


Elion

RDT Platform

The Elion platform has been especially designed for self-test users and makes rapid testing easier than ever before, with interlocked user steps that mitigate common user errors.



The AtomoRapid 'Elion' RDT platform offers all-in-one convenience with a built-in safety lancet, unique blood collection feature, single action blood and buffer delivery system, and interlocked user steps.

With unmatched usability and performance, the platform is ideally suited for self-test applications and can be customised for most lateral flow test strips that use capillary blood samples.

PLATFORM FEATURES

BENEFITS

All-in-one test device

- Greater convenience and usability
- Enables successful first time use by lay users
- Supports waste control by reducing the number of contaminated and potentially hazardous test components for disposal

Interlocked, sequenced user steps

- Supports compliance with test procedures
- Ensures fewer user errors

Contact activated, auto-retracting safety lancet

- Safeguards against needlestick injuries and cross-contamination
- Supports compliance to best practice in capillary sampling

Innovative blood collection unit

- Simplifies test procedure and ensures easy blood collection
- Improves blood volume accuracy
- Designed for self-testing

Controlled delivery of blood to the test strip

- Eliminates blood splatter by transferring blood sample cleanly
- Delivers blood to the correct point on the test strip

Integrated buffer delivery mechanism

- 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

PLATFORM SPECIFICATIONS

Type	Single use, disposable lateral flow RDT platform
Device dimensions	128mm x 28mm x 29mm
Safety lancet needle gauge	21G
Needle penetration depth	2.4mm
Blood volume collected	Calibrated from 5µL to 40µL
Buffer volume delivered	Calibrated up to 120µL
Test strip dimensions	4 (±0.2)mm x 73.5 (±0.5)mm



Lance Finger



Collect Blood



Deliver Buffer



Read Results

Award Winning Design

Atomo rapid 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 9001 and ISO 13485 certified for the design, development and manufacture of in vitro diagnostic medical devices.



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