

iPeak® Lateral Flow Reader



iPeak® Dual pending IVDR compliance

Product description

The iPeak® is IUL's **advanced lateral flow test reader**, designed as an **open platform** compatible with most colorimetric and Europium-based qualitative, semi-quantitative, and quantitative assays.

Its compact and versatile design accommodates a wide range of lateral flow test formats through cassette-specific drawers, while **optional branding, software, and mechanical customizations** enable seamless integration into OEM and private-label solutions.

Designed for human and veterinary diagnostics, research, and industrial laboratories, iPeak® delivers **accurate and reliable test reading** in an easy-to-integrate format.

Built for **long-term flexibility**, iPeak® enables customers to expand their assay portfolio with new tests and formats while retaining the same reader hardware.



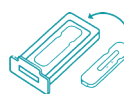
Fast time to market

Market-ready system designed to support IVDR and U.S. regulatory requirements.



Reliable results

Advanced analytical performance delivers accurate, trustworthy results



Versatile test compatibility

Adaptable to different cassette formats and shapes

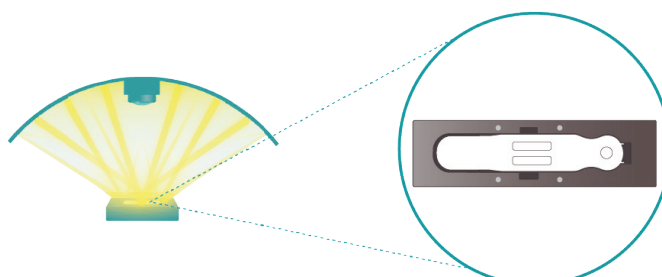


Seamless data management

Enables data export, system connectivity, and full result traceability

Engineered for accuracy

An optimally positioned camera, optimized lighting, and advanced in-house image processing deliver high-quality, reflection-free images for sensitive, accurate test measurements. To further improve consistency, custom-made drawers precisely fit each cassette and ensure repeatable placement.



► Built for user-friendly operation



Intuitive user interface

The colored touchscreen ensures intuitive operation, with quick access to results, test data, and system status.

Barcode reader

The built-in barcode reader and internal camera ensure traceability, with automatic verification of cassette settings and sample ID.

Secure results export

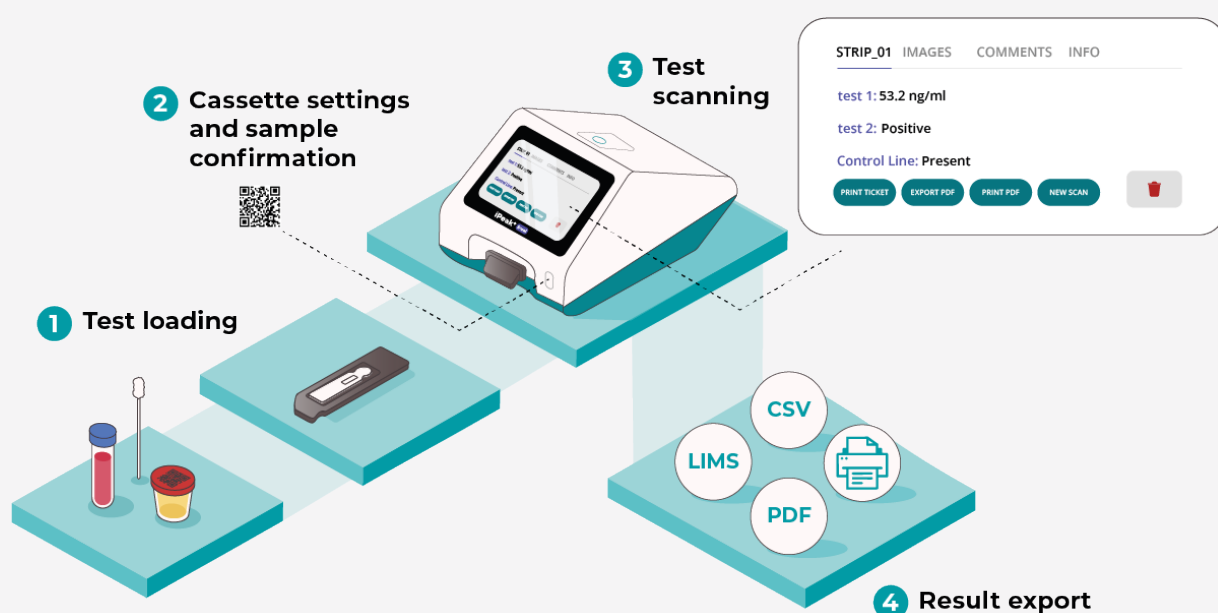
Multiple connectivity options ensure secure results export, with support for LIMS, PDF, CSV, and printed tickets.

Role-based access control

Three user levels: Operator, Manager, and Administrator.

► From Sample to LIMS

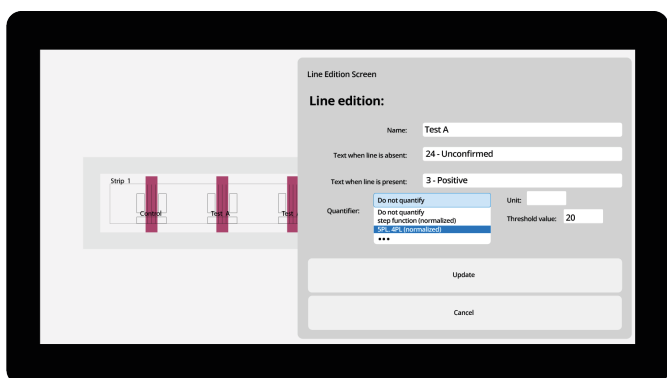
The iPeak® reader is designed to support a smooth operator workflow, combining test loading, cassette verification, result display, and automatic export to the LIMS system.



► LFR Suite

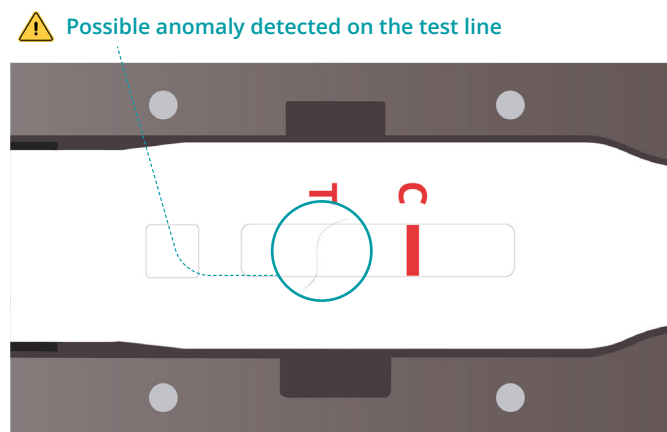
Define how the reader interprets your lateral flow tests with the LFR Suite.

Configure assay-specific parameters such as result interpretation criteria, threshold values, calibration curves, and the number of lines and strips.



► Optional: Line Quality Control

This optional feature automatically detects artifacts around the test or control line, helping reduce the risk of false-positive results.

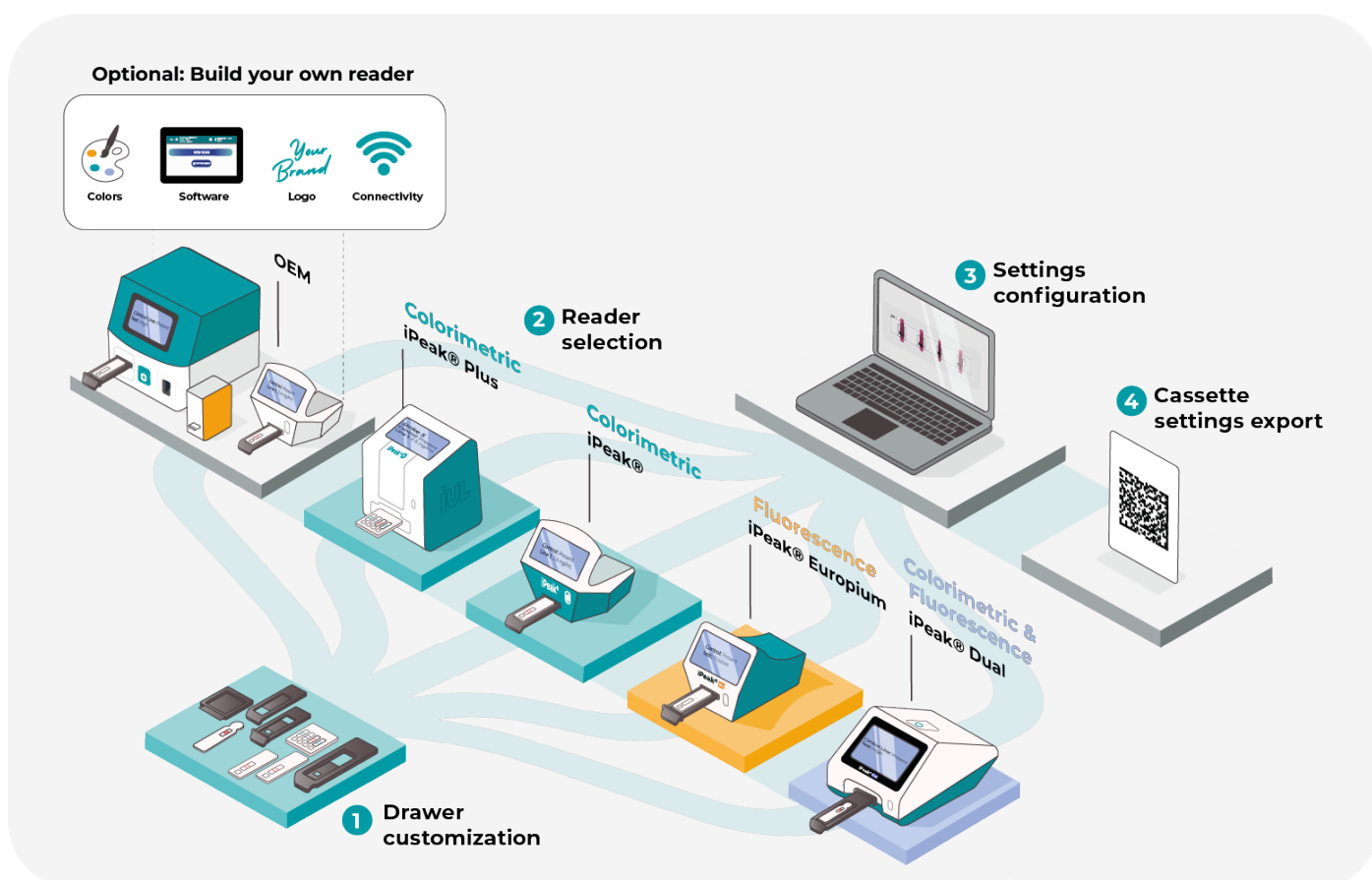


► OEM & customization

The iPeak® can be customized to align with specific brand and application requirements, including branding, colors, housing, packaging, and software configuration.

► Simplifying Test Development and Commercialization

IUL supports test developers with adaptable readers, cassette-specific drawers, software-based assay configuration, and QR-based settings transfer, helping streamline the path from assay development to market.



Designed around your needs

Models	iPeak®	iPeak® Plus	iPeak® Europium	iPeak® Dual
				
Order number	Cat. 900033000	Cat. 900034000	Cat. 900035000	Cat. 900018000
Lateral flow assay technology	Colorimetric	Colorimetric	Fluorescence	Colorimetric and Fluorescence
Number of strips	Up to 2*	Up to 5*	Up to 2*	Up to 2* (colorimetric) Up to 2* (fluorescence)
Battery autonomy	Up to 4 hours	Up to 4 hours	Up to 3 hours	Up to 2 hours
Measurement time	11 ± 1 seconds	13 ± 1 seconds	21 ± 1 seconds	20 ± 1 seconds
Number of lines per strip	Up to 7 lines*	Up to 7 lines*	Up to 4 lines*	Up to 7 lines (colorimetric)* Up to 4 lines (fluorescence)*
Stored results in device	200 (including images)	200 (including images)	200 (including images)	200 (including images)
Supported assays	Qualitative, semi-quantitative, quantitative	Qualitative, semi-quantitative, quantitative	Qualitative, semi-quantitative, quantitative	Qualitative, semi-quantitative, quantitative
Camera	High resolution CMOS	High resolution CMOS	High resolution CMOS	High resolution CMOS
Connectivity	Wi-Fi, Ethernet, Printer, PC	Wi-Fi Ethernet, Printer, PC	Wi-Fi, Ethernet, Printer, PC	Wi-Fi, Ethernet, Printer, PC
Data export formats	PDF reports, CSV files, PNG images	PDF reports, CSV files, PNG images	PDF reports, CSV files, PNG images	PDF reports, CSV files, PNG images
User management	Administrator, Manager, Operator	Administrator, Manager, Operator	Administrator, Manager, Operator	Administrator, Manager, Operator
LIMS / LIS integration	TCP/IP, SFTP, HL7 v2.8	TCP/IP, SFTP, HL7 v2.8	TCP/IP, SFTP, HL7 v2.8	TCP/IP, SFTP, HL7 v2.8
Certifications	CE-marked, UKCA-marked	CE-marked, UKCA-marked	CE-marked, UKCA-marked	Pending IVDR compliance
Equipment dimensions (L×W×H)	11.6 × 14.0 × 14.7 cm 4.6 × 5.5 × 5.8 in	14 × 15.0 × 18.0 cm 5.5 × 5.8 × 7.1 in	11.3 × 18.5 × 13.2 cm 4.5 × 7.3 × 5.2 in	15 × 22 × 16 cm 5.9 × 8.7 × 6.3 in
Net weight	0.6 kg / 1.2 lb	0.9 kg / 1.9 lb	0.7 kg / 1.6 lb	1.4 kg / 3.1 lb

*Discuss your cassette specifications with IUL

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For more information about iPeak®, scan the QR code

