

DIALUNOX



Your solution for lateral flow tests

ESEQuant[®] LR3

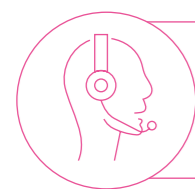
Your solution for lateral flow tests

ESEQuant LR3

The ESEQuant LR3 is a highly sensitive, robust, and reliable measurement system for rapid testing at the point-of-need.

Our ready-to-use Starter Kit platform enables you to easily develop and market fluorescence or colorimetric lateral flow tests as well as reliable quality control of your test strips.

The powerful combination of detection technology, user-friendly design and comprehensive developer's Lateral Flow Studio Software provides an easy-to-customize and easy-to-operate lateral flow system.



Ask us about our starter kits, our customizable OEM options and series production



Benefits of the ESEQuant LR3:

- Small, standalone instrument
- Customizable system with short time-to-market
- Simplified data input via a state-of-the-art touchscreen
- Complies with regulatory requirements

Technical Specifications

Optics

Fluorescence (470/520 (e.g., fluorescein) • 365/625 (e.g., europium) • 625/680 (e.g., DyLight®) • Other combinations available with particular wavelengths (e.g., excitation 365 to 980/ emission 460 to 810) and colorimetric detection (colloidal gold, colored latex beads, carbon, etc.) • Self-check with standards • Highly sensitive

Housing

Customizable for different cassette and strip formats • Portable device weighing <2 kg (4.4 lb) • Footprint of 230 x 200 x 100 mm (9.1 x 7.9 x 3.9 in)

Electronics

Interactive high-resolution 17.8 cm (7 in) touchscreen • Internal 2D barcode and optional RFID reader • Ethernet and 4 USB ports • WLAN optional

Test measurement performance

Proprietary peak finder algorithm • Qualitative, semi-quantitative and quantitative detection • Several algorithms available • Up to 19 lines per strip • Low inter- and intra-device coefficient of variation (CV)

Miscellaneous

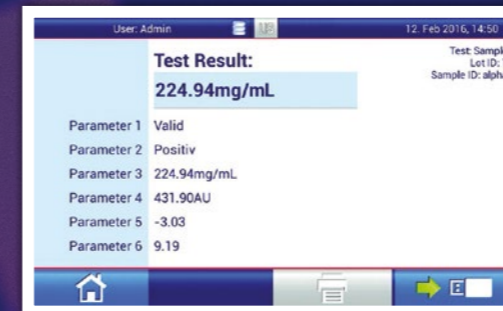
Multiple languages available • Multiple assay evaluation settings and data processing software • Documentation for submission into regulated markets available

Interfaces

Optional LIS (Laboratory Information System) support using HL7 protocol • External bar code reader • Label printer support

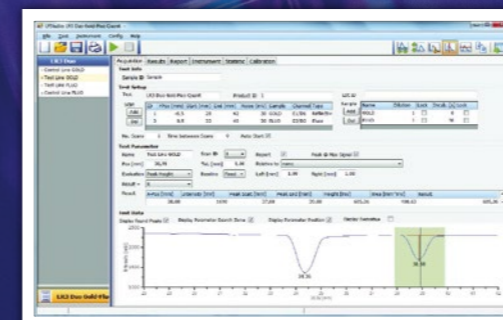
Leading usability and powerful data analysis

Intuitive instrument user interface with high usability



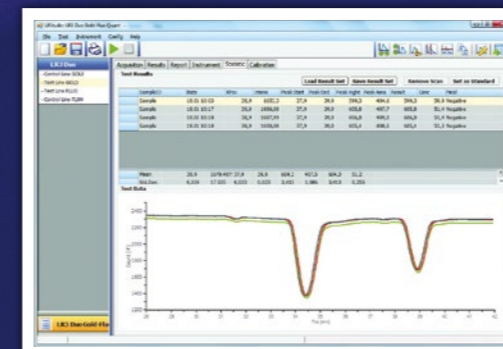
- 3-click run start
- Import methods simply via a bar code or RFID
- Multilanguage support
- Flexible user access control
- Supports the regulation requirements of Clinical Laboratory Improvement Amendments

Powerful software suite with easy test design



- Define your method and lot information
- Set your measurement parameters (e.g. line position, ratios, tolerances)
- Select and assign algorithms to your individual measurement channels for quantitative results
- Create one result by easily combining individual channels

Batch processing of your data sets



- Quickly apply different settings to a batch of raw data to evaluate impact
- Analyze trends for all parameters and visualize off-line measured parameters
- Easily perform and visualize kinetic studies
- Determine the verifiable reproducibility of the measurements
- Export your analysis to Excel® for further evaluation

ESEQuant LR3

Ordering Information

Product	Contents	Cat. no.
ESEQuant LR3 Starter Kit Fluo*	ESEQuant LR3 instrument for fluorescence tests	Inquire
ESEQuant LR3 Starter Kit Duo*	ESEQuant LR3 instrument for fluorescence AND colorimetric tests	Inquire

* All starter kits include the ESEQuant LR3 with the selected wavelengths, universal strip holder, integrated bar code reader, Lateral Flow Studio Software for the developer, and a power cord with worldwide plug.

Not for use in diagnostic procedures.

For up-to-date licensing information and product-specific disclaimers, see the respective DIALUNOX kit handbook or user manual. DIALUNOX kit handbooks and user manuals are available at www.lateralflowreader.com or can be requested from DIALUNOX Technical Services or your local distributor.

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