

ESEQuant Lateral Flow System

Next-generation technology for point-of-need tests

The ESEQuant Lateral Flow System is an OEM business-to-business solution based on next-generation technology that enables rapid tests at the point of need. This flexible and reliable system, based on a ready-to-use concept, enables you to develop fluorescence or colorimetric tests. Starter kits are immediately available and can be rapidly adapted to any test strip or cassette format. Together with the comprehensive developer's Lateral Flow Studio Software, you can develop next-generation lateral flow tests quickly and easily — in qualitative, semi-quantitative, or fully quantitative format.

Benefits of the ESEQuant Lateral Flow System:

- One-stop shop
- Highly flexible system
- No development risk
- Low development costs
- Short time to market

Short time to market

Most importantly, you start your R&D work with a fully developed reader from serial production. This means that you save costs, speed up your R&D work, and shorten the time-to-market for your rapid tests.

After the initial development phase, simply choose from a wide range of available accessories to make the tests easier and safer for your customers. When you have decided on the instrument configuration, you can easily customize the design, workflow, and software according to your requirements.

The ESEQuant Lateral Flow System provides:

- A portable reader customized to your needs
- Unique patented detection technology
- Fluorescence or colorimetric detection
- PC-based software for flexible method development
- Easy workflow customization



ESEQuant Lateral Flow Reader.





ESEQuant LFR Development Kit.

Starter kits for fast startup

ESEQuant LFR Starter Kits provide everything you need for fast startup and development of your fluorescence or colorimetric detection system. The ESEQuant LFR Development Kit is a cost-efficient kit comprising one ESEQuant Lateral Flow Reader plus an extensive software package for method development and administrative purposes. The ESEQuant LFR Evaluation Kit includes 3 ESEQuant Lateral Flow Readers for simultaneous multisite evaluation.

ESEQuant LFR Starter Kits include:

- Detectors with required configuration (wavelengths)
- Universal strip holder or customized cassette holder
- Developer and end-user software
- Software introduction and training
- Robust case and cables

A variety of standard options to meet your needs

A wide variety of standard options enables you to customize your reader according to your needs.

Accessories for additional applications

A wide range of accessories is available, enabling use of your lateral flow reader for additional applications.

- External mobile printer
- Internal/external RFID reader
- 1D and 2D bar code scanner
- External USB extension

Easy customization to suit individual requirements

The ESEQuant Lateral Flow Reader can easily be customized to meet the requirements of your applications.

- Colorimetric or fluorescence detection
- Simultaneous detection of up to 2 different wavelengths
- Easy adaptation to any test strip or cassette format

Customized appearance

Simply define your requirements and choose from a range of options including color, placement of your logo on the reader and case, reader menu adapted to your workflow and reporting needs, and customized end-user software.



Convenient thermal printer. Test results can be printed onto temperature-sensitive paper with the thermal printer. The printout can be designed to meet customer needs.



Customize your ESEQuant Lateral Flow Reader. Choose the color, place your logo on the reader and case, tailor your reader's menu to suit your requirements, and get customized Lateral Flow Control Software for end-users.

Lateral Flow Studio Software — a new dimension in test development

Lateral Flow Studio Software is a unique and comprehensive tool for the development of lateral flow tests in conjunction with the ESEQuant Lateral Flow Reader. A wide range of options enable the test developer to easily and quickly develop a quantitative lateral flow test.

This enables test manufacturers to:

- Save costs by using an all-in-one system
- Speed up the test development process
- Easily develop the next-generation lateral flow assay

Acquisition of test data

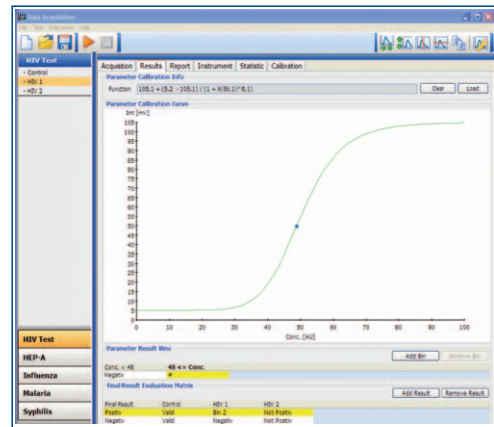
Lateral Flow Studio Software allows you to configure up to 60 different parameters. In addition, up to 15 different measurement or control parameters can be defined per test strip, and each test parameter can be freely defined. Raw performance data can also be directly visualized. Through the inherent flexibility of the system, the manufacturer of rapid tests has full control of lot-specific method files. After completion, the method file simply is downloaded to the reader.

Interpretation of results

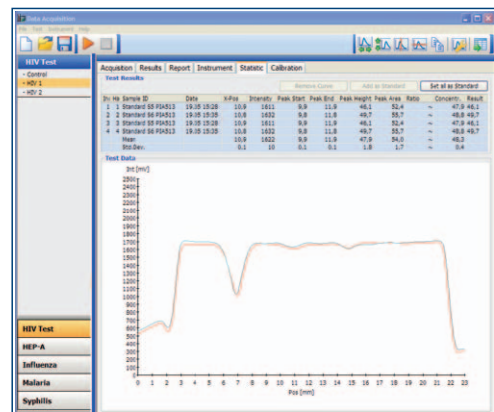
Calibration curves can be determined either automatically or manually. The software also includes an automatic curve fit function. Use of cut-offs enables semi-quantitative evaluation of the results, and logical combination of several parameter results leads to one overall result.

Statistical evaluation

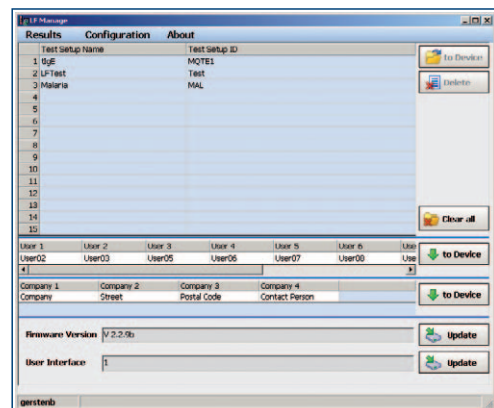
Lateral Flow Studio Software simplifies statistical evaluation by determining the verifiable reproducibility of the measurements. In addition, the software enables analysis of the trends of all parameters and visualization of all off-line measured parameters. Desired standards can also be selected for test calibration.



Lateral Flow Studio Software provides one overall result.



Simplified statistical evaluation.



Comprehensive software gives you complete control.

Control of access rights and reader update

A comprehensive set of software is provided with the reader.

- Lateral Flow Manage Software enables you to control user access and access to method files, to upload data sets from the reader to a PC and to download method files, and to update firmware and workflow.
- Lateral Flow Control Software enables you to control the configured reader via a PC and to upload data sets from the reader to a PC.
- Lateral Flow Exporter Software enables you to export method files to RFID, 1D, or 2D bar codes.

Ordering Information

Product	Contents	Cat. no.
ESEQuant LFR Development Kit Gold	1 ESEQuant Lateral Flow Reader for colorimetric tests, universal strip holder or customized cassette holder, Lateral Flow Studio Software for the developer, Lateral Flow Control Software for the end-user, robust case and cables, software introduction and training	9002093
ESEQuant LFR Evaluation Kit Gold	3 ESEQuant Lateral Flow Readers for colorimetric tests, universal strip holder or customized cassette holder, Lateral Flow Studio Software for the developer, Lateral Flow Control Software for the end-user, robust case and cables, software introduction and training	9002097
ESEQuant LFR Development Kit Fluorescence	1 ESEQuant Lateral Flow Reader for fluorescence tests with up to 2 different wavelengths, universal strip holder or customized cassette holder, Lateral Flow Studio Software for the developer, Lateral Flow Control Software for the end-user, robust case and cables, software introduction and training	9002094
ESEQuant LFR Evaluation Kit Fluorescence	3 ESEQuant Lateral Flow Readers for fluorescence tests with up to 2 different wavelengths, universal strip holder or customized cassette holder, Lateral Flow Studio Software for the developer, Lateral Flow Control Software for the end-user, robust case and cables, software introduction and training	9002098

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

Visit www.qiagen.com/lateral-flow and find out more!

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