

DIALUNOX



We bring the lab to you ...
... wherever you need it

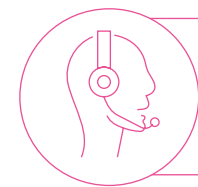
ESEQuant® TS2

Your solution for Point-of-Need testing

ESEQuant TS2

The ESEQuant TS2 is an easy-to-use fluorescence measurement system for isothermal nucleic acid amplification and fluorescence analysis in point-of-need applications.

The instrument is extremely sensitive, robust and ideal for small labs or even outside testing. Utilizing a fluorescence detector based on modern microsystems technology and proprietary optics design and filter technology, the sensitivity of the device is comparable to top-of-the range commercial spectrophotometers.



Ask us about all
our customizable
OEM options



Benefits of the ESEQuant TS2:

- Small instrument for standalone use
- Customizable system with short time to market
- Highly reliable measurements with optical self-check
- Multiple connectivity options
- Developed to support regulated markets

Technical Specifications

Optics

Up to 6 discrete wavelength combinations detectable per tube, covering 3 orders of magnitude signal intensity • Spectrum between 365 and 720 nm covered • Internal self-check using fluorescence reference material • Broad sensitivity range

Housing

Approx. weight 4 kg (8.8 lb.) • Small footprint of 23 x 20 x 14 cm (9.1 x 7.9 x 5.5 in.)

Electronics

Interactive 17.8 cm (7 in.) touchscreen • Internal 1D/2D bar code reader • Ethernet and 4 USB A/B ports • WLAN and Bluetooth® optional

Temperature Unit

Incubation of 12 standard PCR tubes • Peltier-based heating/cooling system capable of attaining 15–95°C (59–203°F) • Redundant sensors for surveillance functionality

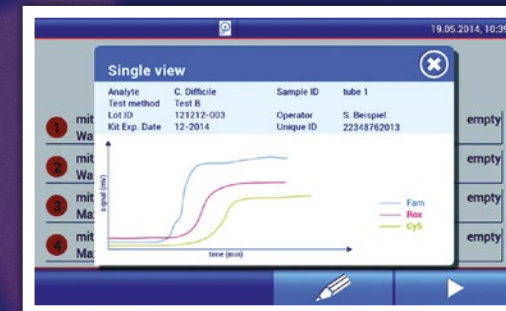
Interfaces

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

Miscellaneous

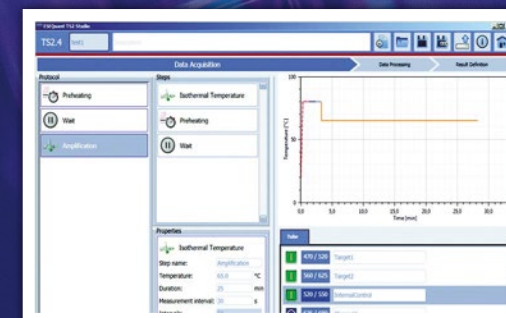
Multiple assay evaluation settings and data processing software • Documentation for submission into regulated markets available

Leading usability and powerful data analysis



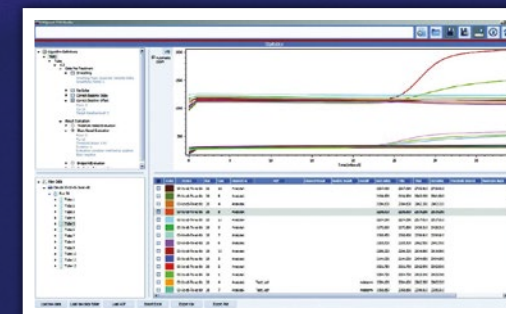
Intuitive instrument user interface with high usability

- Online growth curve view
- 3-click run start
- Multilanguage support
- Bar code sample and test entry
- Supports the regulation requirements of CLIA (Clinical Laboratory Improvement Amendments)



Powerful software suite with easy 3-step test design

- Set your measurement parameter (interrupt workflow in order to e.g. add a mixing step after LAMP-preheating)
- Select and assign algorithms to your individual measurement channels
- Create one result by easily combining individual channels
- Generate reports



Batch processing of your data sets

- Quickly apply different algorithm settings to a batch of raw data to evaluate impact
- Define algorithm settings on solid statistical base
- Visualize your growth curves with many filter, sorting and color options
- Export your analysis to Microsoft® Excel® or print

Ordering Information

Product	Contents	Cat. no.
ESEQuant TS2.4*	For measurement of 4 wavelengths simultaneously: detection of Alexa Fluor® 350, Coumarin, DyLight® 350, Marina Blue®, or similar; detection of ROX, Texas Red®, Alexa Fluor 568, DyLight 594, Killer Red, HEX, or similar; detection of FAM™, SYBR® Green I, Alexa Fluor 488, DyLight 488, FITC, or similar; detection of Cy®5, Alexa Fluor 633, Nile Blue, or similar	Inquire
ESEQuant TS2.x*	Customized for other wavelengths	Inquire

* All starter kits include the ESEQuant TS2 with the selected wavelengths, tube holder for 12 tubes (200 µl standard PCR tubes), internal bar code reader, PC software, and 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 can be requested from DIALUNOX Technical Services or your local distributor.

Trademarks: ESEQuant® (QIAGEN Group), Alexa Fluor®, FAM™, Marina Blue®, SYBR® (Life Technologies Corporation); Bluetooth® (Bluetooth SIG, Inc.); Cy® (GE Healthcare); DyLight® (Thermo Fisher Scientific, Inc.); Excel®, Microsoft® (Microsoft Corporation); Texas Red® (Molecular Probes, Inc.). Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.