

dgtechnologies



Lateral Flow Reader for
a wide range of rapid tests

ESEQuant[®] Flex *The Generalist*

Accurate, precise and compact

ESEQuant Flex – Digitalize your lateral flow test

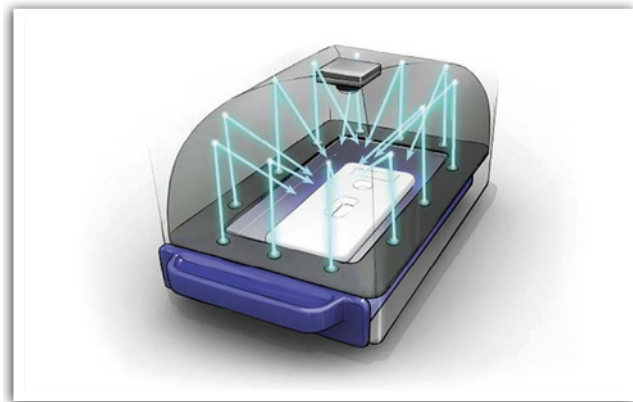
The ESEQuant Flex is a rapid test reader platform that can read colorimetric lateral flow tests across different applications. It allows the user to interpret assays using test-specific bands qualitatively, semi qualitatively or quantitatively. The ESEQuant Flex even makes the interpretation of dots or color change pads, like urine test strips, possible. And they can be implemented on demand. The built-in industrial grade camera combined with multi-colored illumination offers a wide range of flexibility for many test formats.

Our top of the line lateral flow reader is characterized by a high degree of flexibility for customer-specific applications, as well as the advantage that it can be integrated into a wide variety of networks.

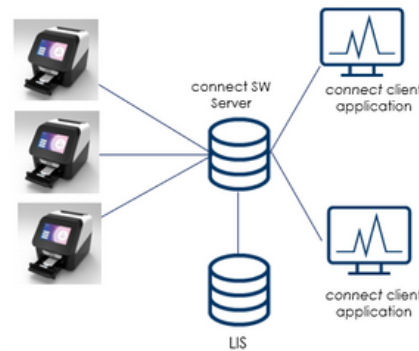
The ESEQuant Flex allows users to digitally interpret and evaluate tests, thus increasing patient safety. Digital data transfer also helps hospitals increase efficiency.

Features at a glance:

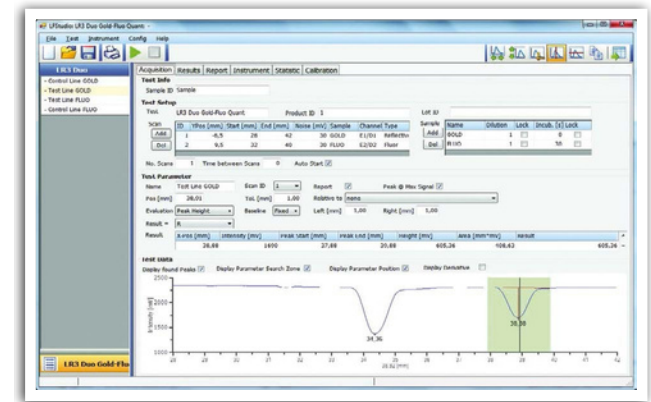
- LIS connection
- User-centric workflow
- Low measurement variability
- Compatible with all cassette and strip formats
- Robust



Illumination concept



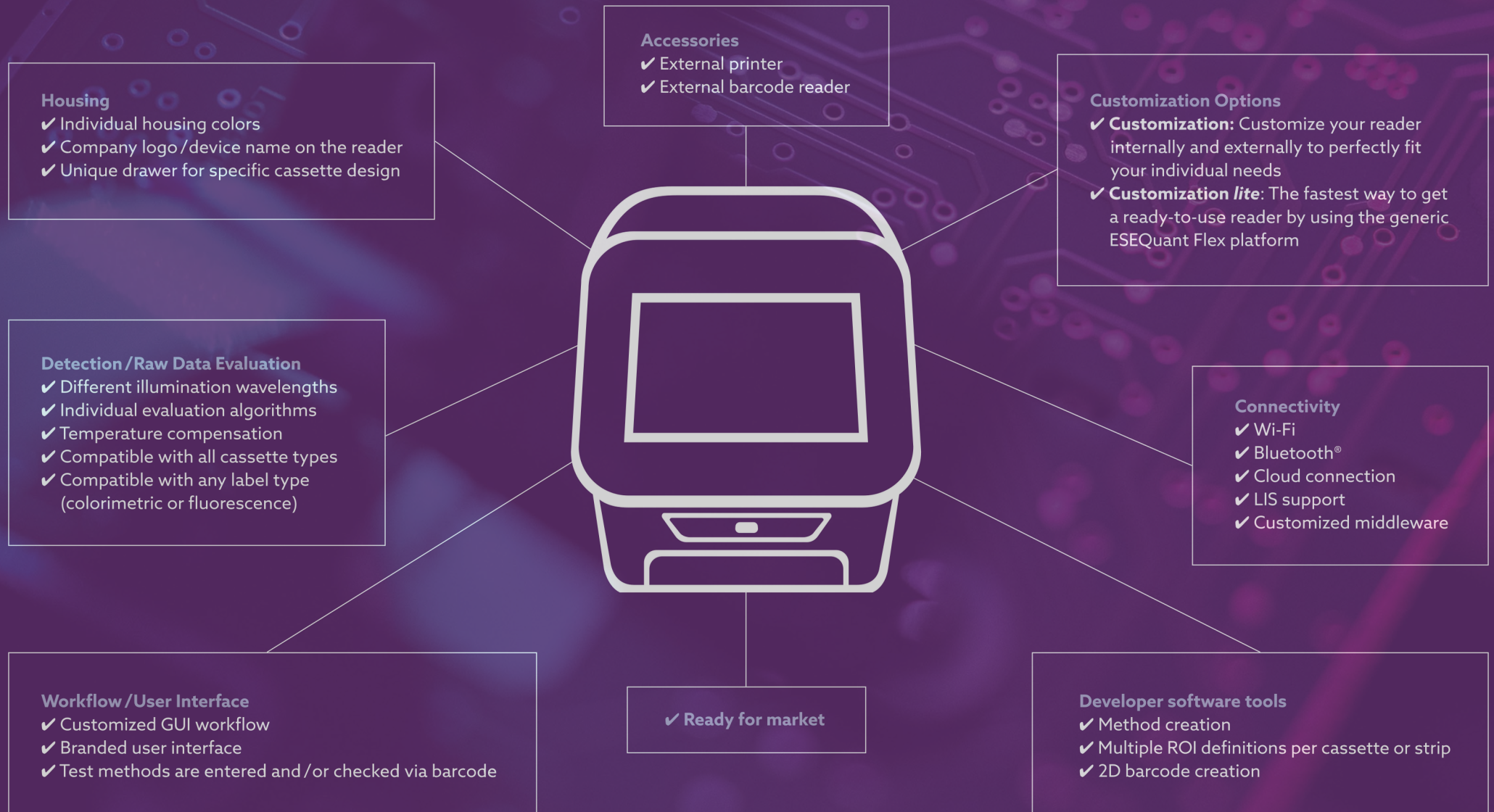
Connect Software



Test developer tools

Flexible options to meet your needs

Customize your very own reader



Technical Specifications

Instrument

Size (L x W x H)

180 x 160 x 145 mm (7 x 6.3 x 5.7 in)

Weight:

1.2 kg (2.6 lb)

User Interface

- Interactive 10.9 cm (4.3 in) touchscreen
- GUI in several languages
- 2D barcode reading functionality

Connections

- 3 x USB
- Ethernet
- Wi-Fi module optional

Connectivity

- External bar code reader
- Dymo label printer supported
- Data management software

Operating Conditions

15–35°C (59–95 F)

Humidity 10–70%

Optics

Optical System

- 5 Megapixel camera (8-bit)
- Industrial standard

Signal Detection

Colorimetric test bands and dots (300 µm)

Illumination

- 3 color LEDs
- Optimized for homogeneous illumination of a wide range of test cassettes

Surveillance

Supervision of optical system among multiple calibration standards (inside)

Performance

Test Strip Dimensions

Flexible adaption possible:

Dipstick: with 4–6 mm; length 100 mm,

Cartridge: up to 120 x 40 x 15 mm (L x W x H)

Number of Test Strips

Up to 5 (dipstick with 5 mm width)

Number of Test Lines per Strip

Up to 19 tests/control lines per strip

Memory Capacity

Up to 100 test methods and up to 300 test results

Reliability

>99.7%

Reproducibility

Intra-device CV: <0.5%

Inter-device CV: <3%

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