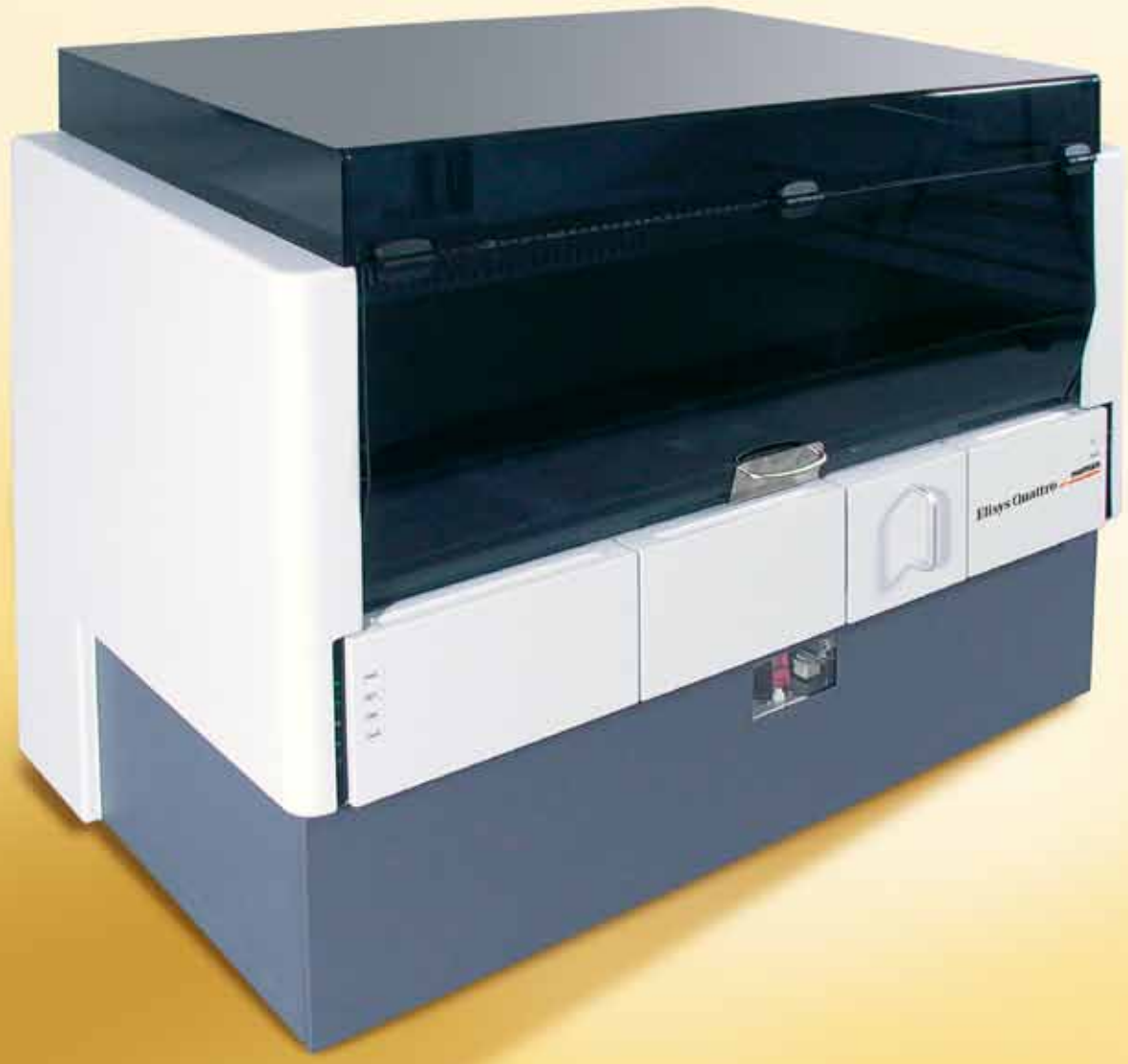
Elisys Quattro

Fully Automated ELISA Analyzer

- Developed and manufactured in Germany
- Highest precision and reliability

ELISA



Human

Diagnostics Worldwide

Elisys Quattro

Fully Automated ELISA Analyzer for Medium and High Volume Throughput in Hospitals and Blood Banks – More than 100 ELISA Tests Available



› Proven technology

Advanced Performance

Open System

› Optimised and preprogrammed for HUMAN and IMTEC ELISA tests

Continuous Loading

› New tests/plates can be loaded at any time

High Throughput

› Up to 7 plates simultaneously

› 4 independent incubators

Highest Processing Security

No Carry-Over

› Disposable tips for reagents and samples

Safety Features

› Clot and bubble detection

› Password protection

› Automatic reagent level checks

› Barcode reader for primary tubes

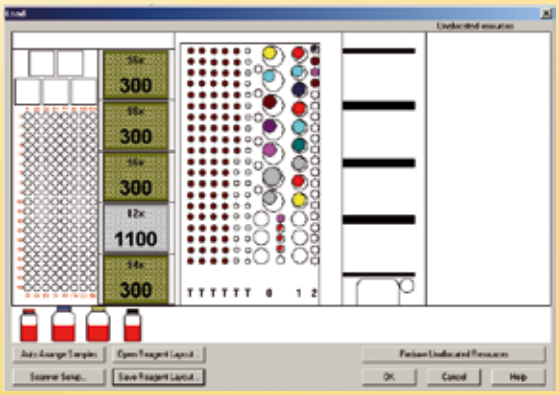
› Capacity level sensing

› Advanced level-error logging and execution

	Cat. No.
Elisys Quattro	16300
300 µl disposable tips	16300/10
1100 µl disposable tips	16300/11

Easy-to-use Software

- Easy-to-use interface and intuitive operation
- Self-explanatory structure
- Graphical interface
- Multitasking
- Bi-directional host communication
- Quality control module (Levy Jennings)
- Locking ability during assay processing
- Event log documentation



Convenient Use

- Loading time and maintenance less than 10 minutes
- Capacity of up to 180 samples
- Up to 152 predilution tubes
- Disposable carbon tips for reagents and samples
- Use of original kit components
- Barcode identification of samples and reagents



Time Management Module

"Real-Time-Mode" Display

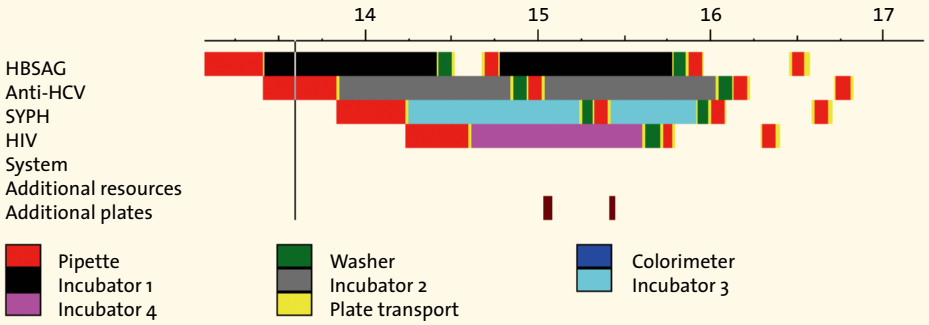
Example:

Processing time for

a typical blood bank panel

(92 samples/test)

less than 4 h



Elisys Quattro

Technical Data

Sample/Reagent System

Number of plates: Up to 7 plates

Number of samples: Max. of 180 tubes ø 10 – 16 mm

Number of reagents: Dependent on rack configuration

Controls & standards: Dependent on rack configuration

Dilution area: For up to 152 dilution tubes

Sample/reagent identification: Internal barcode

Loading: Continuous loading of plates, samples and reagents

Lot Management: Included

Disposable Tips

Carbon tips: 300 µl and 1100 µl

Number of tips: Up to 5 tip racks for 300 µl, 1100 µl disposable tips or mixed use

Level Sense: Capacity

On-board capacity: 480 tips

Tip detection: Yes

Clot detection/bubble detection: Yes

Photometer

Light source: Halogen

Reading mode: OD (8 channel head)

Spectral range: 400 – 700 nm

Read time (96 samples): Approx. 20 seconds

Dynamic range (measurement range): –0.100 to 3 000 OD

Accuracy: ± 0.005 OD or 2.5 %

Linearity: 0 – 2 000 OD 1 %

Detection: Photodiode

Reading time: Less than 15 seconds

Filters: Up to 8 positions (delivered with 450 and 620 nm)

Pipetting/Processing System

Processing time samples: Approx. 16 minutes (96 samples)

Processing time reagents: Approx. 4 minutes (96 positions)

Min/max volumes: 10 µl to 300 µl (with 300 µl tip) or 301 to 1000 µl (with 1100 µl tip)

Precision: < 5 % CV at 25 µl; < 2.5 % at 100 µl

Features: Tip detection, mixing, multi-dispensing

Incubation

Capacity: 4 independently controlled chambers; 4 independent ambient stackers

Mixing capability: Mixing frequency adjustable

Temperature range: Ambient + 7 to 42 °C

Accuracy: ± 2°C

Uniformity: – 1.5 °C; + 1 °C

Washing

Capacity: Up to 4 buffers

Wash head: 8 channels

Plate type: Flat, U- & V shape

Wash mode: Plate/strips

Dispense volume: 200 – 2500 µl/well

Precision: +/– 5 % CV at 300 µl

Fluid alarms: Low reagent, waste full

Features: Sweep, soak, purge, top & bottom wash, variable pump speeds

Barcode Reader

Sample ID: Yes

Reagent ID: Yes

Plate ID: Optional

Types: 2/5 Interleaved, Code 39, 2/5 IATA, 2/5 Industrial, UPCA / UPCE, EAN (8 or 13 digits), Code 128/EAN 128, Pharmacode, EAN Addendum (2/5 digits), Codabar

Data Processing + Export

Interfaces: ASTM interface RS 232

ASCII import/export of worklist sample IDs: Yes

Time scheduling: Schedules 4 plates

Multiple assays per plate

Qualitative: User definable result classes

Quantitative: Linear to quadratic regression, sigma, and many more

QA analysis: Mean, SD, CV, standard error and Levy-Jennings (basic version)

External PC required

Power Supply

Universal AC input: Wide range AC 50/60 Hz, ~100–230 V +/– 10 %

Power consumption: 400 VA

Dimensions

W x D x H: 180 x 156 x 120 cm (with waste bag and open drawer) + PC

Weight: 176 kg

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Human

Diagnostics Worldwide

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