Elisys Uno

Fully Automated ELISA Analyzer

- Excellent entry into ELISA-Automation
- Optimized and adaptable to your needs
- For all kinds of laboratories

ELISA

Human

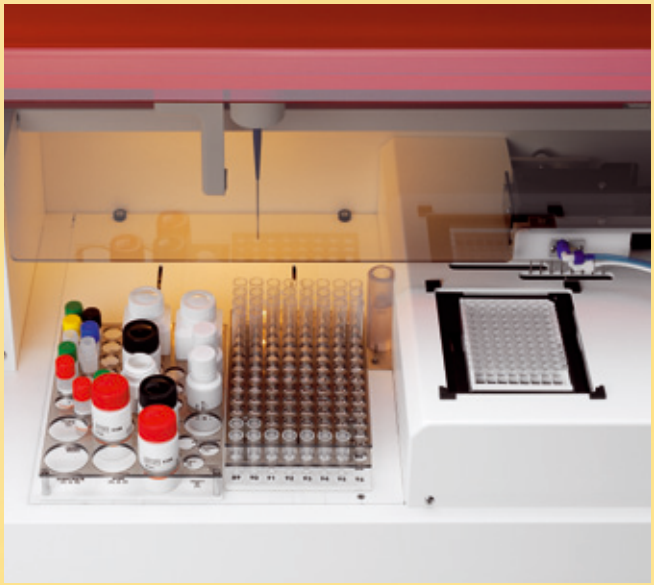
Diagnostics Worldwide

Elisys Uno

One-plate Fully Automated ELISA Analyzer for all Kinds of Laboratories

Open System

- Pre-programmed for all available HUMAN and IMTEC tests
- Ideal automation at an affordable price
- Excellent cost/performance ratio
- Unique one plate automation concept
- Processing of one microplate



Flexible operation

- Rapid setup and minimal maintenance
- Capacity: 96 samples
- Different racks for all kinds of reagents
- Real walk away thanks to high loading capacity
- Four filters installed, 405, 450, 545, 630 nm (IAD filter)
- Two syringe pumps: 2.5 ml and 50 µl
- Optimised for volume ranges from 5 µl – 1.95 ml

Convenient & efficient use

- Use of original kit components
- Testing of up to 8 parameters simultaneously
- Capacity level sensing of reagents and samples
- Automatic sample predilution
- Self-monitoring mechanics and optics

2 wash buffers

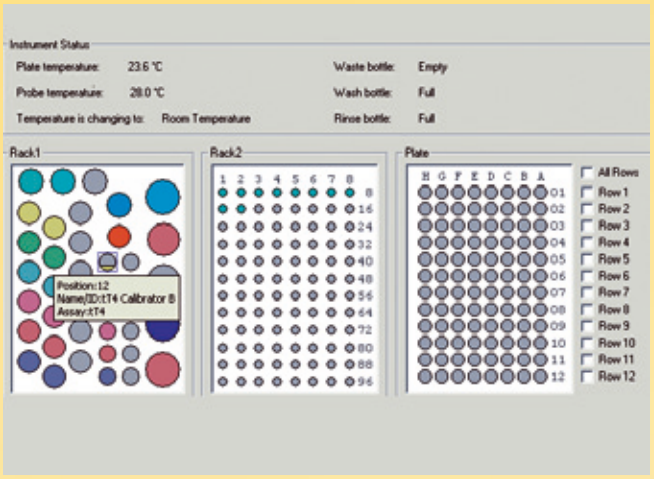
All bottles integrated

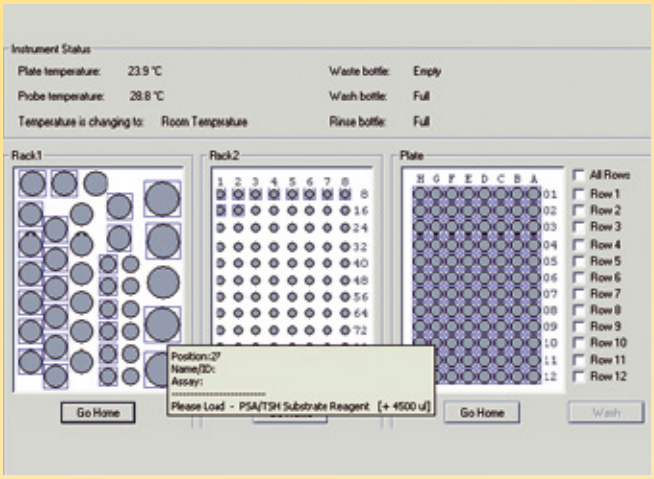
Small footprint

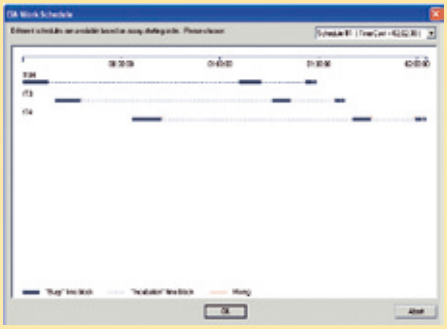
Elisys Duo Cat. No. 17350

Easy-to-Use software

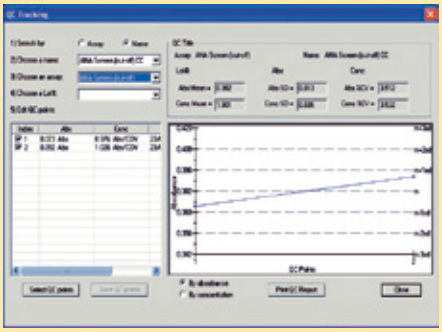
- Graphical interface
- Bi-directional host communication
- Event log documentation
- Report generator; printout format according to user needs
- Password protection
- Assay programming simplified
- Sample and reagent positions can be changed using the Windows® “drag and drop” feature
- Self-explanatory software structure
- Multitasking







Time-management system: Real-Time-Mode display Optimised scheduling for combined tests



Advanced QC module (Levey-Jennings)

Elisys Uno

Technical Data

Overall dimensions	113 cm (W) x 55 cm (L) x 40 cm (H) approx. weight = 35 kg

Reagent and sample dispensing

Capabilities	predilution, dispensing of single or multiple reagents
Pumps	two syringe pumps 2.5 ml and 50 µl
Sample	316 stainless steel, level sensing
Min. & max. volume	5 µl – 1.95 ml
Max. no. of specimens	96 (including calibrators and controls)
Max. no. of reagents	dependent on rack combination, reagents can also be placed into the sample rack
Reaction vessel	standard microplate wells
Instrument bottles	1 l priming bottle, 1 l system liquid, 2 l wash bottle with low volume warning sensor. 1 l rinse bottle (or 2nd wash) with low volume warning sensor, waste bottle

Incubation, timing and temperature control

Thermal control	plate/well 25°C, 37°C, or ambient temperature, temperature controlled to 25°C providing the ambient room temperature is below 25°C, sample rack is not temperature controlled

Washing

Wash head	8-needles, automatic prime and rinse
Programs	user-programmable protocols (aspirate, dispense, soak)

Reading

Optical design	absorbance reading in 4 simultaneous channels; NIST-traceable calibration; monochromatic or bichromatic results
Light source	Tungsten-Xenon lamp
8 position filter wheel	4 filters: 405, 450, 492, 630 installed
Interference filters	long life, hard coated, ion-assisted deposition, +/- 2 nm, 10 nm, typical half bandpass
Linear range	– 0.2 to 3.0 A
Photometric accuracy	± (1% of the reading +0.005 A from 0 to 1.5 A) ± (2% of the reading +0.005 A from 1.5 to 3.0 A)

Software

Format	CD-ROM
Operating systems	Windows XP
Minimum system	Serial port or USB port with serial adapter
Secondary menu options	create/edit protocols, import/export data, control, run, setup
Calculation modes	absorbance, cut-off, cut-off standard, point to point, linear regression, cubic spline, dose response, polynomial 2nd – 4th order, % – absorbance, log-logit
Self-monitoring modes	lamp, bottle volume, filters, pressure, vacuum, mechanical function and more
QC options	store control data, print Levey-Jenings or QC range plots, calculate SDs
Serial port	RS232 output only, 19200 baud, 1 start bit, 8 data, 1 stop, no parity, no handshake, serial cable provided

Power

Voltage range	100–250 VAC
Frequency range	50–60 Hz
Power maximum	160 W
Installation category	CAT II

Environmental conditions for safe operation

Mains supply voltage	fluctuations not to exceed ±10 % of the nominal voltage
Humidity	80 % for temperatures up to 31 °C decreasing linearly to 50 % humidity at 40 °C
Temperature	5 °C to 40 °C
Operating temperature	18–35°C recommended
Operating humidity	Less than 85 % recommended

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Human
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