Elisys Uno

Fully Automated ELISA Analyzer

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

CoreLab DX

ELISA

ELISA System Line

Human

Diagnostics Worldwide

Elisys Uno

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

- **Preprogrammed 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, 492, 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

* depending on the depending on the kind of procedure of the ELISA kits applied

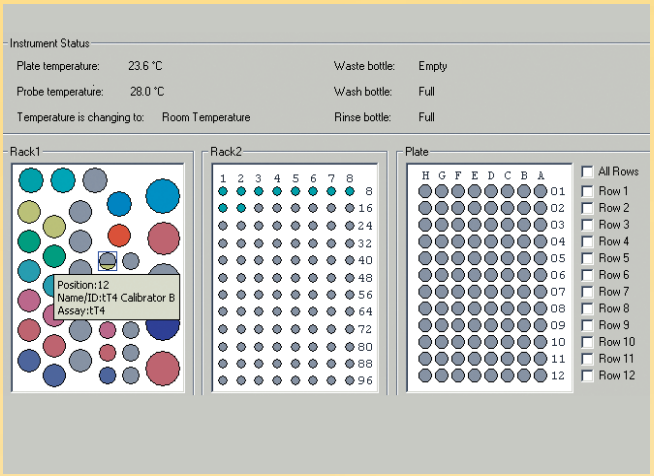
- 2 wash buffers
- All bottles integrated
- Small footprint

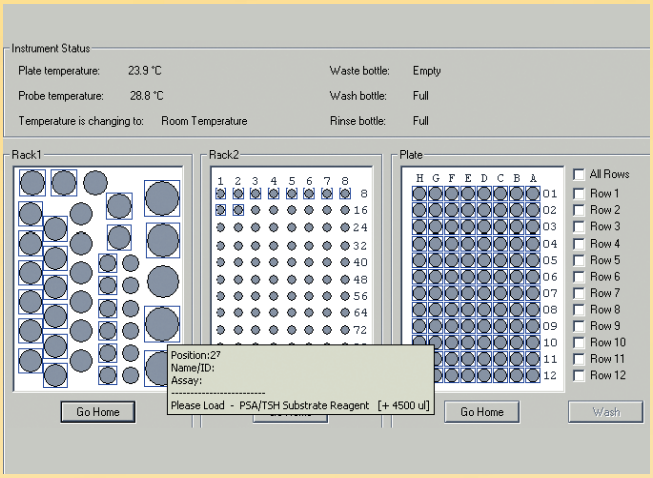
Elisys Uno REF 17350

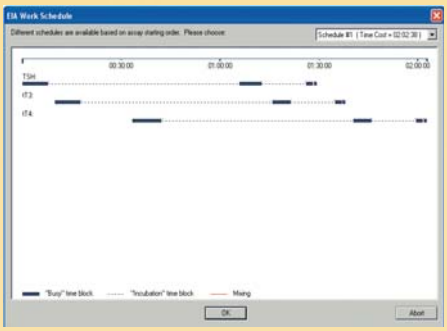
Easy-to-use software

- Graphical interface
- Bidirectional host communication
- Event log documentation
- Report generator; printout format according to user needs
- Password protection
- Win 7 compatible

- Assay programming simplified
- Sample and reagent positions can be changed using the Windows® "drag and drop" feature
- Self-explanatory software structure
- Multi tasking



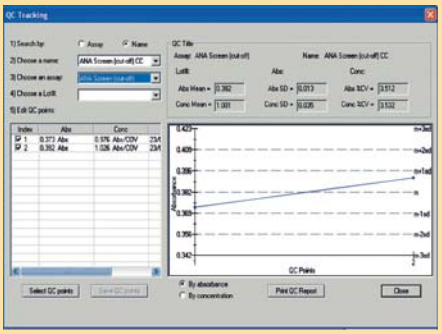




Time-management system:

Real-time-mode display

Optimised scheduling for combined tests



Advanced

QC module

(Levey-Jennings)

Elisys Uno

Technical Data

Reagent and sample dispensing

Capabilities	predilution, dispensing of single or multiple reagents
Pumps	two syringe pumps 2.5 ml and 50 µl
Pipetting	Stainless steel probe, 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 include alarm when incubation was out of range

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	USB card
Operating systems	Windows 7
Minimum system	USB port
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, 4 PL
Self-monitoring modes	lamp, bottle volume, filters, pressure, vacuum, mechanical function and more
QC options	store control data, print Levey-Jennings or QC range plots, calculate SDs

Power

Voltage range	100 – 250 VAC
Frequency range	50 – 60 Hz
Power maximum	160 W online UPS recommended
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
Operating temperature	18 – 35 °C recommended
Operating humidity	Less than 85 % recommended
Dimensions (incl. PC)	170 cm (W) x 80 cm (D) x 80 cm (H) approx. weight = 35 kg + PC

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