EUROIMMUN Analyzer I

Reliable ELISA processing with broad parameter spectrum

Ideal for medium to high throughput

The EUROIMMUN Analyzer I is a walk-away system for fully automated and efficient ELISA processing of up to seven ELISA plates and 180 patient samples in one run.
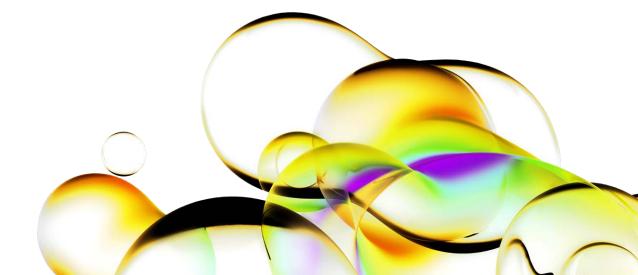
The processing of Euroimmun ELISAs on the EUROIMMUN Analyzer I enables a quick and simple, but also a secure routine operation, owing to the automatic identification and allocation of samples and a variety of reagents as well as the import of QC data via Data Matrix codes.

Four incubators for room temperature (RT) and four heatable incubators with shaking option allow for incubation of the assays at optimal conditions and a broad temperature range.

On top of that, Euroimmun offers you excellent service. We are your contact for complete solutions, from test systems to instruments and software for your diagnostic laboratory.

Features

- Fully automated ELISA processing for medium to high throughput – up to 70 test results per hour with minimal manual input

- Security and traceability through automated barcode identification (of patient samples and an variety of ready-to-use reagents)

- Convenient and safe operation via the user-friendly graphical interface and low-maintenance hardware

System

Capacity for samples	up to 180 samples
Capacity for microplates	up to 7 plates
Capacity for analyses / microplate	up to 12 different ones
Capacity for analyses / worklist	up to 54
Size of sample tubes	outer diameter 13–16 mm, height 30–100 mm
Dilution area	3 × 96 2-ml deepwell plates
Barcode identification	automated registration of sample tubes / a variety of reagents / with all conventional barcode types; import of QC data via 2D hand barcode scanner
Safety functions	control of strip quantity, tip size and reagent level

Photometer

Measurable wavelength	400–700 nm
Dynamic bandwidth	0.010 to 3.500 OD (measurement interval)
Filter set	405 nm, 450 nm, 492 nm, 570 nm, 620 nm, 690 nm (2 more filters possible)

Pipetting unit

Pipettor	liquid pipette with disposable tips, capacitive liquid level detection
Pipette tips	300 µl conductive disposable tips (ZG 0201-0118), 1100 µl conductive disposable tips (ZG 0202-0110)
Accuracy	CV <5% at 5 µl, CV <3% at 100 µl

Incubation

Capacity	4 heatable incubators with shaking option up to 20 Hz, 4 incubators at room temperature
Temperature range	room temperature to 50 °C

Washer

Wash buffer capacity	up to 3 different wash buffers
Wash head	8 dispensing and aspirating needles for round- and flat-bottom plates
Residual volume	<5 µl in flat-bottom plate, <2.5 µl in round-bottom plate
Liquid level alarm	continuous control of wash buffer and waste containers

Properties

Operating system	Microsoft Windows 10 Enterprise 2019 LTSC (64 bits)
Bidirectional communication	ASTM, ASCII
User interface languages	English, German, Italian, Polish, Spanish, Chinese
Power supply	100–240 V, 50/60 Hz, 500 VA
Dimensions / weight	110 cm × 75 cm × 100 cm (W × D × H) / 130 kg

Find out more about ELISA automation at www.euroimmun.com or contact us directly at www.euroimmun.com/contact

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