



EUROIMMUN Analyzer I

High throughput – Broad parameter spectrum – Proven reliability



- ✓ **Fully automated ELISA processing** for medium to high sample volume with minimal manual input
- ✓ **Open system** with more than 800 validated EUROIMMUN parameters for autoimmune, infection and allergy diagnostics
- ✓ **High throughput** – up to 70 test results per hour
- ✓ **Safety and traceability** through automated barcode identification (from patient samples to the ready-to-use reagents)
- ✓ **Convenient and safe operation** via the user-friendly graphical interface and low-maintenance hardware
- ✓ **Excellent service** from EUROIMMUN – your contact for everything from test systems to instruments and software



The **EUROIMMUN Analyzer I** is an open walk-away system for automated ELISA processing of up to 7 microplates and 180 patient samples in one run.

The system allows convenient and secure processing of medium to large samples volumes through automated identification and allocation of samples and reagents and the import of QC data via Data Matrix codes.



System

Quantity of patient samples	up to 180 samples
Quantity of microplates.....	up to 7 plates
Quantity of analyses/microplate...	up to 12 different (use of break-off microplate wells possible)
Quantity of analyses/worklist	up to 54
Size of sample tubes	outer diameter 13 – 16 mm, height 30–100 mm
Dilution area.....	3 x 96 2-ml deepwell plates
Barcode identification	automated registration of sample tubes/reagents/microplates with all conventional barcode types; QC certificate via 2D hand barcode scanner
Safety functions	control of strip quantity, tip size and reagent level

Photometer

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

Pipettor

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)
Precision	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 4 different wash buffers
Wash head.....	8 dispensing and aspirating needles for round- and flat-bottom plates
Rest 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 7 (32 bits)
Bidirectional communication.....	ASTM, ASCII
Languages	German, English, Chinese, Italian, Polish, Spanish
Electrical data.....	100–240 V, 50/60 Hz, 500 VA
Dimensions/weight	110 cm x 75 cm x 100 cm (WxDxH)/130 kg