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

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

### 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

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