



IF Sprinter

Simple automation for reliable IFA results

Ideal for small and medium sample throughputs

With an overall weight of just 50 kg, the IF Sprinter is a practical tabletop instrument for automated processing of indirect immunofluorescence assays (IFA) and was developed specifically for small to medium throughputs. The instrument provides identification, dilution and transfer of up to 96 samples per run as well as incubation and washing steps. The IF Sprinter allows to process up to 15 different parameters simultaneously.

Thanks to the barcode reader for sample identification (integrated as a standard) and the fully automated slide identification via matrix codes (optional) all samples and slides can be traced digitally at any time. This ensures secure allocation of samples and test runs. The IF Sprinter's washable needle allows efficient pipetting without carryover.

Data communication is quick and easy thanks to the bidirectional connection to a laboratory information system (LIS) or the EUROLabOffice 4.0 software.

Features

- Flexibility owing to individual adjustments to different laboratory requirements and tests
- Reliability and traceability due to automatic identification of patient samples and slides (optional)
- Convenient and safe operation via the user-friendly graphical interface and low-maintenance hardware

System	
Patient sample capacity	up to 96 positions
Reagent position capacity	12 positions for controls and 8 positions for reagents
Test capacity	up to 15 slides (depending on the instrument configuration)
Sample tube size	outer diameter 10–12 mm, height 55–100 mm
Dilution area	192 (deep-well and/or uncoated microplate)
Code recognition	integrated for sample tubes, optional for slides
Pipetting unit	
Needle	one washable needle with capacitive liquid level detection
Pipetting volume	5–1000 µl, in increments of 1 µl
Precision	CV <6% (<5 µl); <5% (>5 µl)
Washing unit	
Washing mode	flooding of the slides
Wash head	8-fold, 4 different buffers to be selected via the software
Options	
Special rack	up to 84 sample tubes (outer diameter 12–16 mm, height 55–100 mm)
Incubator unit	temperature controllable for one position (room temperature +5 °C to 37 °C)
Slide recognition	integrable Data Matrix code reader
Characteristics	
Bidirectional communication	ASCII, XML
Electrical data	110–240 V, 450 VA, 50/60 Hz
Dimensions/Weight	650 mm × 700 mm × 780 mm (W × D × H) / approx. 50 kg

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EUROIMMUN Medizinische Labordiagnostika AG
Seekamp 31 · 23560 Lübeck (Germany) · Phone: +49 451 2032-0
www.euroimmun.com

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