



Sprinter XL

IIFT and ELISA on one device for moderate to high throughput



- Fully automated processing of immunofluorescence tests and ELISA on one device
- Flexibility owing to individual adjustments to different laboratory requirements and tests
- Outstanding performance due to four washable pipetting needles, two independent robot arms, and optimal workflow calculation
- Reliability and traceability enabled by automatic identification of the barcodes on patient samples and slides
- Convenient and safe operation of 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 **Sprinter XL** from EUROIMMUN is an automation solution for the processing of **indirect immunofluorescence tests and ELISA on one instrument**.

The system identifies and dilutes samples, performs all incubation and washing steps, and reads ELISA microplates by means of an integrated reader. The Sprinter XL is designed for moderate- to high-throughput needs.



System

Sample capacity	160 configuration: up to 160 samples (outer diameter 10–16 mm) 240 configuration: up to 240 samples (outer diameter 10–16 mm)
Barcode recognition	automatic for sample tubes, optional for slides
Test capacity	30 slides or 6 ELISA plates, resp. (depending on the instrument configuration)
Reagent positions (160 conf.)	64 calibrators/controls, 6 sample buffers, 20 secondary reagents
Reagent positions (240 conf.)	49 calibrators/controls, 9 sample buffers, 12 secondary reagents
Dilution positions	e.g. 162 screening dilutions, 192 titer dilutions (depending on the instrument configuration)
Incubator unit	up to 4 heatable positions for RT+5 °C to 37 °C
Power supply	110–240 V, 500 VA, 50/60 Hz

Pipetting unit

Needle system	4 washable needles with capacitive liquid level detection
Volume	5–1000 µl, in steps of 1 µl
Accuracy	VC < 6% (< 5 µl); < 5 % (> 5 µl)

Washer unit

Washing method	flooding of the slides (IIFT), washing of the single positions (ELISA)
Wash head	8-fold, 4 different buffers to be selected via the software

ELISA reader

Number of channels	8
Measurable wavelength	400–800 nm
Filter set	405 nm, 450 nm, 492 nm, 620 nm

Software and system requirements

Operating system	Microsoft Windows 10 Enterprise 2019 LTSC (64 bits)
Connection	USB 2.0
Bidirectional communication	ASCII, XML or HL7

Dimensions

Width x depth x height	119 cm x 85 cm x 85 cm
Weight	approx. 150 kg