

euroimmun 

From Revvity

EUROLabWorkstation ELISA



High-throughput ELISA analytics



- Fully automated processing of ELISA test kits: up to 15 ELISA plates per run
- The highest throughput system on the market: >200 tests per hour
- Flexible loading of samples, reagents and dilution plates
- Automatic identification of patient samples, reagents, dilution and ELISA plates – 100% traceability
- Economical and precise pipetting with 10 washable needles
- Convenient and intuitive operation

Workflow optimisation

- Open system for the processing of ELISA kits from different manufacturers, even combined in one run
- Spatial separation of liquid handling and ELISA plate processing enables parallel workflows
- Maximum process efficiency through intelligent multineedle system and correspondingly adjusted labware
- Ready-for-use barcoded reagents



Precise and efficient pipetting

- 10 coated stainless steel needles and precision pumps for optimum pipetting accuracy
- Optimisation of process efficiency through economic travel ways
- Pipetting without carryover through efficient needle washing
- Secure pipetting procedure owing to level and clot detection
- Multishot function for the dispensing of samples and reagents



Flexible system configuration

- Loading of patient samples in all conventional primary tubes or in 96-well plates according to ANSI SLAS 1-2004 (R2010)
- 45 tracks for the flexible loading with sample and reagent racks as well as accessories
- Up to 8 heatable incubators
- Up to 4 shakeable, heatable incubators
- 2 ELISA wash units with up to 6 different wash buffers



Convenient operation

- Touch-screen PC with intuitive graphic user interface
- Easy starting of user-specific worklists
- ID-based memory function enables flexible and complete use of dilution plate cavities
- Software-supported maintenance with minimum time expenditure
- Visual examination of incubated ELISA plates without interruption of running processes



Overview of the process status

- Convenient system overview with detailed status information on run times, resources and ELISA plates
- Clear display of the current run's time flow
- Exact time information for pending actions for improved planning efficiency



Process safety from A-Z

- Software access with different user accounts and rights
- Transparent traceability of all data entries and changes
- Gapless allocation of test results to the samples and reagents used
- Complete data acquisition by means of integrated barcode scanner for samples, reagents, dilution plates and ELISA plates



System	
Capacity for samples	>700
Capacity for ELISA plates	up to 15 plates
Number tests/microplate	up to 12 different
Throughput	>200 tests per hour
Number of parameters per run	up to 180
Sample material	serum, plasma, cerebrospinal fluid and dried blood spot extracts
Sample vessels	tubes (outer diameter 10–16 mm, height up to 100 mm) or 96-well plates (ANSI SLAS 1-2004 (R2010))
Barcode identification	autom. registration of sample tubes, reagents, dilution plates, ELISA plates; import of QC certificates via 2D manual barcode scanner
Photometer	
Measurable wavelength	400–700 nm
Dynamic bandwidth	0.000 to 4.000 OD (measurement range)
Filter set	405 nm, 450 nm, 492 nm, 620 nm (4 further filters possible)
Pipetting unit	
Pipettor	10 washable stainless steel needles with capacitive liquid level and clot detection
Pipetting volume	5–1100 µl in 1-µl steps
Accuracy	CV < 10% at 10 µl, CV < 1% at 100 µl, CV < 1% at 1000 µl
Incubation	
Capacity	15 positions at room temperature (RT)
Incubators	up to 8 heatable incubators (RT from +5 °C to 80 °C) or up to 4 heatable shakeable incubators (RT from +5 °C to 80 °C, 400–1800 rpm)
Wash unit	
Wash buffer capacity	up to 6 different wash buffers
Washer head	2x8 dispensing and extraction needles for round- and flat-bottom plates
Residual volume	< 1.8 µl in flat-bottom plates
Liquid level warning	continuous control in wash buffer and waste containers
Features	
Operating system	Microsoft Windows 10 Enterprise 2019 LTSC (64 bits), PC with touchscreen
Bidirectional communication	ASTM
User interface languages	English, German, French
Power supply	100–240 V, 50/60 Hz, 800 VA
Dimensions/Weight	approx. 3253 mm × 812 mm × 861 mm (W × D × H)/ approx. 450 kg

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

