euroimmun
From Revvity

EUROLabWorkstation ELISA – High throughput meets precision.

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
- Increased process efficiency through optimised travel distances
- 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 liquid level and clot detection
Pipetting volume	5–1100 µl in 1-µl steps
Accuracy	CV <10 % at ≤50 µl, CV <5 % at >50 µl and ≤100 µl, CV <1 % at >100 µl
Incubation	
Capacity	15 positions at room temperature (RT)
Incubators	max. 8 heatable incubators (up to 55 °C) or max. 4 heatable shakeable incubators (up to 55 °C, 7.5–20 Hz)
Wash unit	
Wash buffer capacity	up to 6 different wash buffers
Washer head	8 dispensing and aspiration needles for round- and flat-bottom plates per wash unit
Liquid level warning	continuous control in liquid and waste containers
Features	
Operating system	Windows 11 21H2 Enterprise LTSC Edition or Windows 11 IoT Enterprise LTSC 2024, PC with touchscreen
Bidirectional communication	ASTM
User interface languages	English, German, French
Power supply	120/230 V AC, 50/60 Hz, 800 VA
Dimensions/Weight	approx. 3253 mm × 812 mm × 861 mm (W x D x H)/ approx. 350 kg (without accessories)

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

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