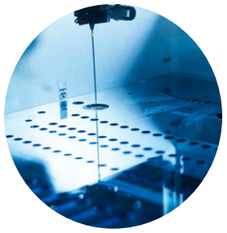
euroimmun
From Revvity

IDS-iSYS – Specialty immunoassay automation.



ids isys



Pipetting area

Liquid level sensing & iCM technology

Decontamination process prevents sample carry-over

Wide range of sample volumes

Sample mixed in cuvette

On-board sample pre-treatment



Sample area

Up to 120 positions for samples, calibrators and controls (6 racks with 20 positions)

Continuous access, with all tube types supported



Reagent area

Up to 15 reagent positions

Continuous loading and automated barcode recognition



Cuvettes

Continuous loading

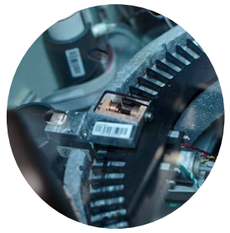
Up to 1120 cuvettes on board

Each cuvette box contains 960 cuvettes



Analytical area

The Modular Analytical Platform (MAP) is a highly reliable assay processing system, with no user maintenance



Ancillary area

The majority of the ancillaries are ready to use and can be continuously loaded during a run. All information is logged for full traceability



In-house development

- In-house instrument development – no outsourcing (true IDS instrument)
- Full control of development (hardware & software)
- Unique Modular Analytical Platform (MAP)

Versatile & compact analyser

- Can manage several types of technology
- Luminometer, spectrophotometer, sedimentation module
- Ideal for laboratory, research and industrial requirements

Optimised uptime

- Load and unload everything without pausing the run

  Samples | Reagents
  Solid Waste | Ancillaries
- Automatic start up, auto-control and standby
- Automatic self-maintenance
- True walk-away system

Reliable results

- Assay integrity guaranteed through:

  Intelligent Clot Management
  › iCM High Pressure Rinsing
  › HPR
- Automatic cleaning/ decontamination program

Dedicated support

- Highly qualified team for on-site training and after sales services
- Technical specialists and engineers provide dedicated support
- Annual preventative maintenance and routine upgrades

G.U.I software management

- Meets lab accreditation requirements
- Total L.I.S. capability
- Automatic rules for re-test, dilutions etc.
- Full traceability
- Remote control

IDS SDspeed calc software

- A faster way to monitor patient growth disorders
- Normal value data base with 15,000 samples
- SD Score calculator to facilitate clinical data management

Product manufactured by Immunodiagnostic Systems Ltd. (IDS).
IDS-iSYS is a trademark of Immunodiagnostic Systems Ltd. (IDS), available to order from your local Euroimmun contact.

System	
Dimensions	
Size	105 cm x 70 cm x 75 cm (W x D x H) 41.3 inch x 27.5 inch x 29.5 inch (W x D x H)
Weight	103 kg
Power supply	
Voltage	100 - 240 V
Frequency	50 - 60 Hz
Maximum power consumption	750 VA
Environment	
Sound level	Up to 66 dB
Surrounding temperature	Must be between 18 °C and 30 °C
Emitted heat	Up to 530 W (1808 BTU/h or 16.5 cal/s)
Relative humidity	Must be between 20 % and 80 % (non-condensing at 25 °C)
Workflow	
Random access	Yes
Time to first results	< 25 minutes (assay dependent)
Tests/ hour	Up to 120 (assay dependent)
Results/ day	> 600 (assay dependent)
Immunoassay detection	
Luminometer	
Wavelength	300 - 500 nm
Linearity	Up to 10 Million RLU
Spectrophotometer	
LED Technology	Yes
12 wavelength interferential filters	340, 405, 450, 500, 540, 550, 580, 620, 650, 700, 720 and 750 nm
Linearity	Up to 3 Abs
Bi-chromatic mode	Available
Optic path of cuvettes	0.8 cm

Samples / reagents management

Samples

- 120 positions for samples, calibrators and controls (6 racks with 20 positions)
- Serum, plasma, urine, others (saliva...)
- Sampling on primary tubes, secondary tubes, micro cups, pediatric tubes
- Default sample tube library:
  Primary tubes: 5 ml (13 x 75 mm), 7 ml (13 x 100 mm), 10 ml (16 x 75 mm)
  Secondary tube: 5 ml (13 x 75 mm)
  Micro cups: 500 µl, 2 ml
- Other sample containers can be defined by the user
- STAT samples
- Automatic reading of barcoded sample tubes (positive identification) for priority samples
- Barcode types: Code 2/5, EAN/UPC, Code 39, Code 128 and Codabar
- On-board dilution and automatic pre-treatment

Reagent compartment

- Up to 15 different immunoassay cartridges
- Integrated reader for automatic reading of reagent cartridge barcodes
- Onboard storage: 12 - 15 °C

Carousel

- Temperature regulated at 37 °C ± 0.5 °C
- 90 positions for disposable cuvettes
- 4 independent washers

Sample handling

- Single pipetting arm for samples and reagents
- Capacitive liquid level detection (samples and reagents)
- Clot detection (by pressure transducer)
- Internal and external rinsing between each pipetting of sample
- Possibility of specific rinses using decontaminating solution
- Preheating of sampling (reagents & samples)
- Sample volumes: from 4 µl to 300 µl (assay dependent)

Cuvette loader

- Refill with cubes of 960 disposable cuvettes
- Up to 1120 cuvettes on board
- Preheated loade

Waste collection

- 10 litres container for liquid waste
- Solid waste (cuvettes) disposed off in solid waste drawer

Ancillary reagents	
IDS-iSYS Liquid System	5 l
IDS-iSYS Wash Solution	10 l
IDS-iSYS Triggers	250 ml each
IDS-iSYS D-SORB Solution	2 x 1 l
IDS-iSYS CCS	-
IDS-iSYS Cuvettes	-
IDS Immunocleaner	-

Graphic user interface and computer

GUI

- User level management
- Continuous access to programming
- Full traceability: patient results, calibrations, controls...
- Automatic calibration. QC management: up to 4 levels, analysis by Levey-Jennings and Westgard rules (configurable), lot management of reagents, calibrators and controls using barcodes
- Reagent stability management
- Local storage of 5,000 patient results (including traceability)
- Connection to LIS: bidirectional communication (ASTM protocol), RS-232 or RJ45

Operating system

Minimum configuration required:

- Operating system: Windows 7/10
- Microprocessor: Type Core i5, 3.6 GHz
- Live memory: 4 GB
- Hard disk: 500 GB
- Ethernet: 2 independent Ethernet network adaptors
- Ports: USB ports (min 2, one of which at front)
- Input devices: USB keyboard (country specific), mouse (optional)
- Screen: 22 inches (touchscreen) monitor, speakers integrated
- Screen resolution: 1920 x 1080 pixels
- Peripherals: Reader-DVD writer, integrated graphics device

Ordering information

Product name	Product code
IDS-iSYS Multi-Discipline Automated System	IS-310400

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

EUROIMMUN Medizinische Labordiagnostika AG
Seekamp 31 · 23560 Lübeck (Germany) · Phone: +49 451 20 32-0
www.euroimmun.com

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