

ids isys

Specialty immunoassay automation

IDS-iSYS Multi-Discipline Automated System

Automate your specialty testing



Optimised uptime



Dedicated support



A truly versatile and
compact analyser



Reliable results

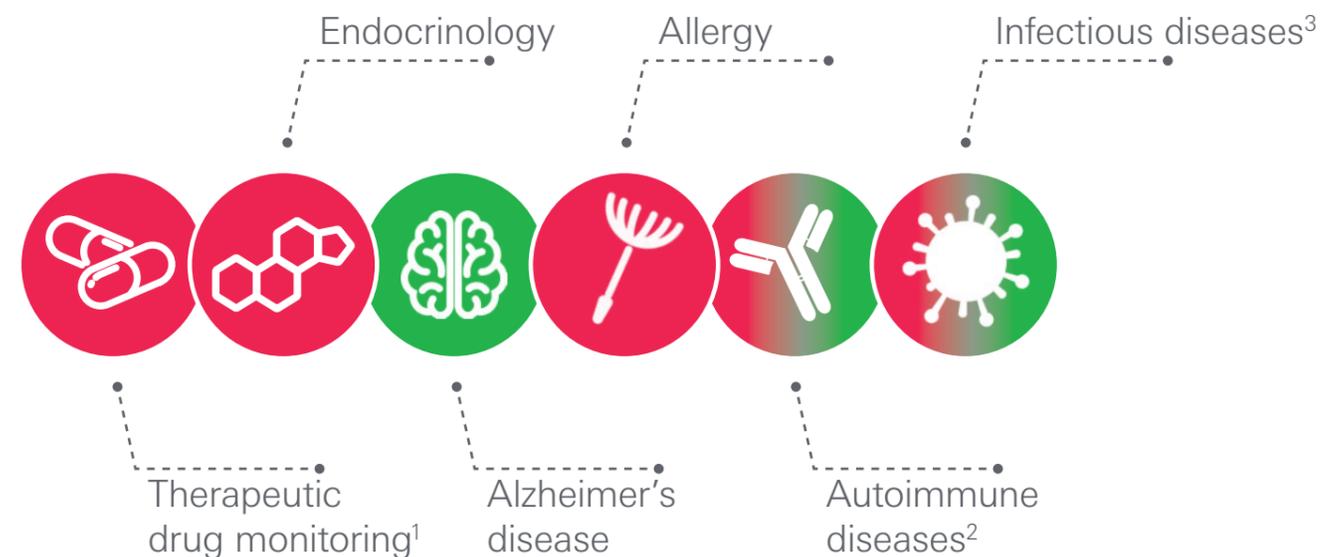


Who is IDS?

- Since its **foundation in the UK in 1977**, IDS has produced over **1,000 instruments**
- **Globally based offices** with full sales, support and logistic functions
- **Development and production** of innovative and high-quality immunoassays and instruments
- **An ideal complement** to **EUROIMMUN's** know-how and portfolio

More efficient specialty testing

Our automated chemiluminescence immunoassays (ChLIA)



¹ All products manufactured by Thediag
² One product manufactured by DiAgam
³ Some products manufactured by Technogenetics



In-house development

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

A truly versatile and compact analyser

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



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



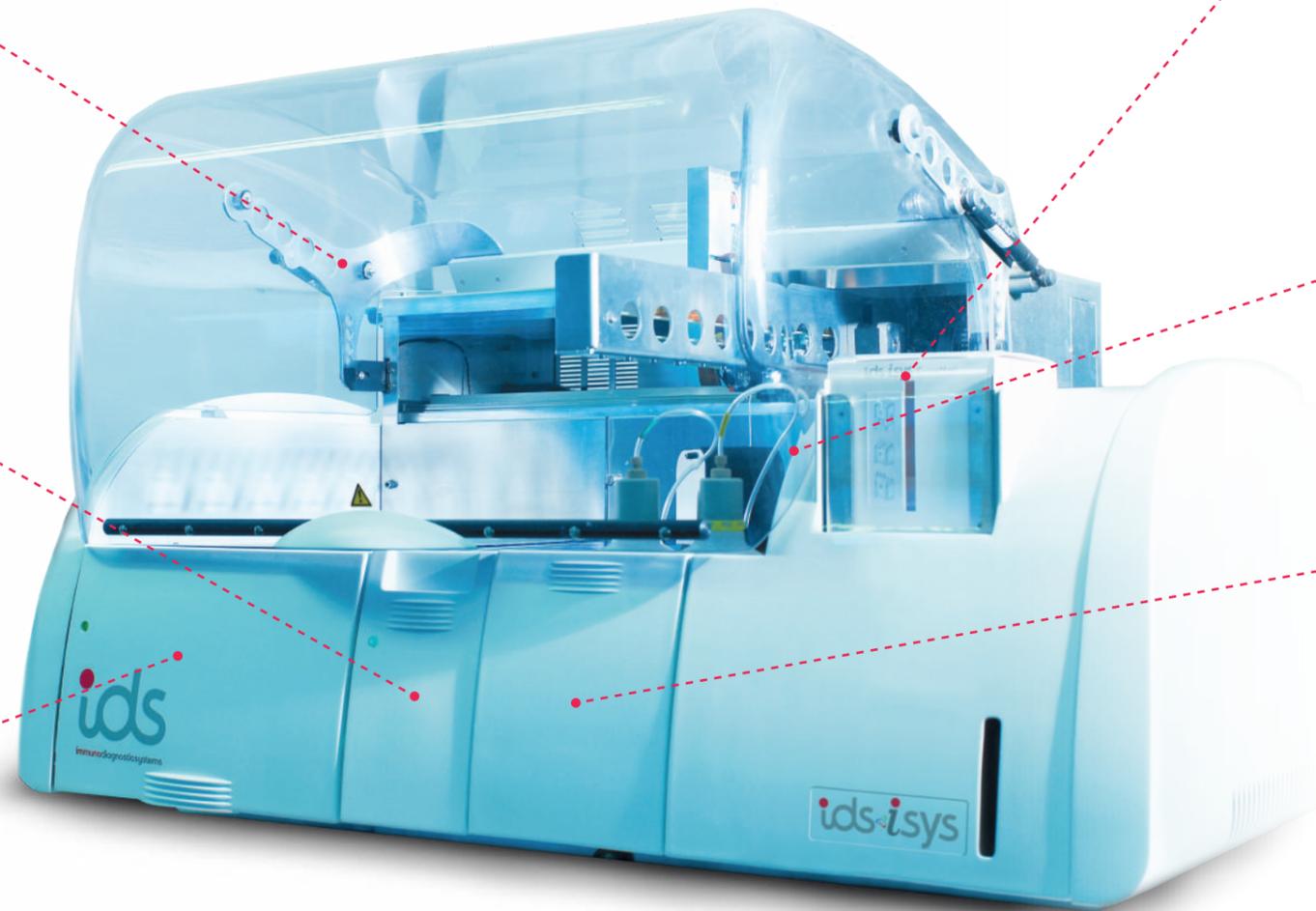
Sample area

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

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



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

System

Dimensions

- System: L 105 x H 70 x W 75 cm
L 41.3 x H 27.5 x W 29.5 inch
- Weight: 103 kg
- Basis weight: 130 kg/m²

Power supply

- Voltage: 100 – 240 V
- Frequency: 50 – 60 Hertz
- Maximum power consumption: 750 VA

Environment

- Sound level: up to 66 dB
- The 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)

Throughput

- Random access
- Time to first results: < 25 minutes (assay dependent)
- Up to 120 tests/hour (assay dependent)
- > 600 results per day (assay dependent)

Immunoassay detection

Luminometer

- Wavelength: from 300 to 500 nm
- Linearity: Up to 10 Million RLU

Spectrophotometer

- Spectrophotometer with LED technology
- 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 availability
- 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 sample
- Automatic reading of barcoded sample tubes (positive identification)
- 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

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)

Carousel

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

Cuvette loader

- Loader for 1 x cube of cuvettes
- 1 x cube contains 960 disposable cuvettes
- 960 cuvettes on board
- During operation, the capacity can be extended to 1120 cuvettes
- Preheated loader

Waste collection

- 10 litres container for liquid waste
- Solid Waste (cuvettes) disposed of 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 (2x1 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