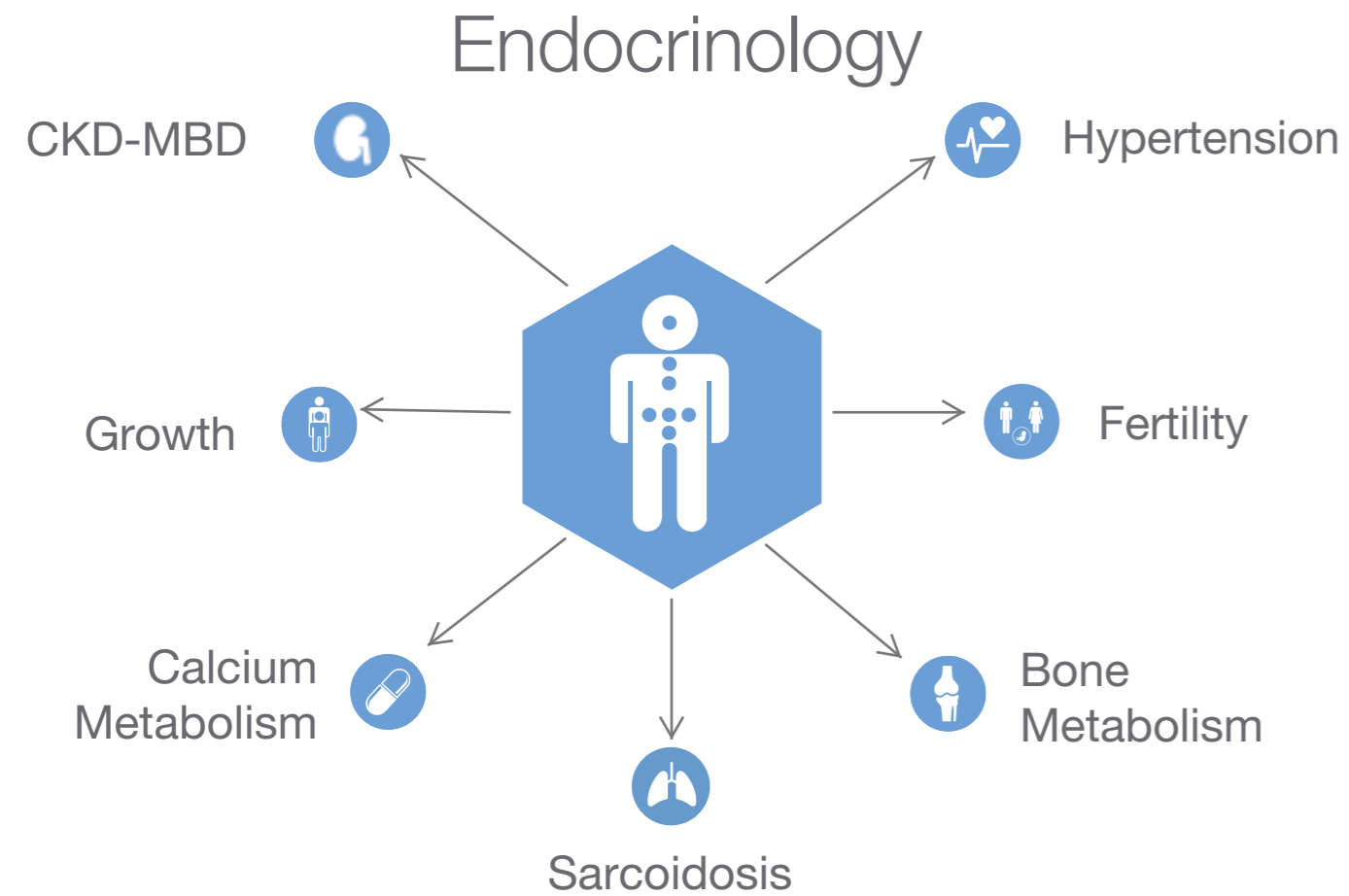


## Consolidate your specialty testing

Our automated immunoassays



AND



*i-Tracker drug and anti-drug antibody kits are supplied by Theradiag for exclusive use on the IDS iSYS instrument for therapeutic drug monitoring*

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### 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/m<sup>2</sup>

#### Power supply

- Voltage: 100 – 240 V
- Frequency: 50 – 60 Hertz
- Maximum power consumed: 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 within 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 10 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 mL, 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

### Connect with us

**Global Headquarters**  
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Baldon Business Park, Baldon, Tyne & Wear, NE35 9PD, United Kingdom

+44 (0) 191 519 6155 | info@idsplc.com | www.idsplc.com

#### 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
- Liquid level detection by capacitance (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 by 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



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## Specialty Immunoassay Automation

IDS - iSYS Multi-Discipline Automated System

Automate your specialty testing



Optimized up-time



Dedicated support service



A truly versatile and compact analyser



Results you can trust





#### Pipeting 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



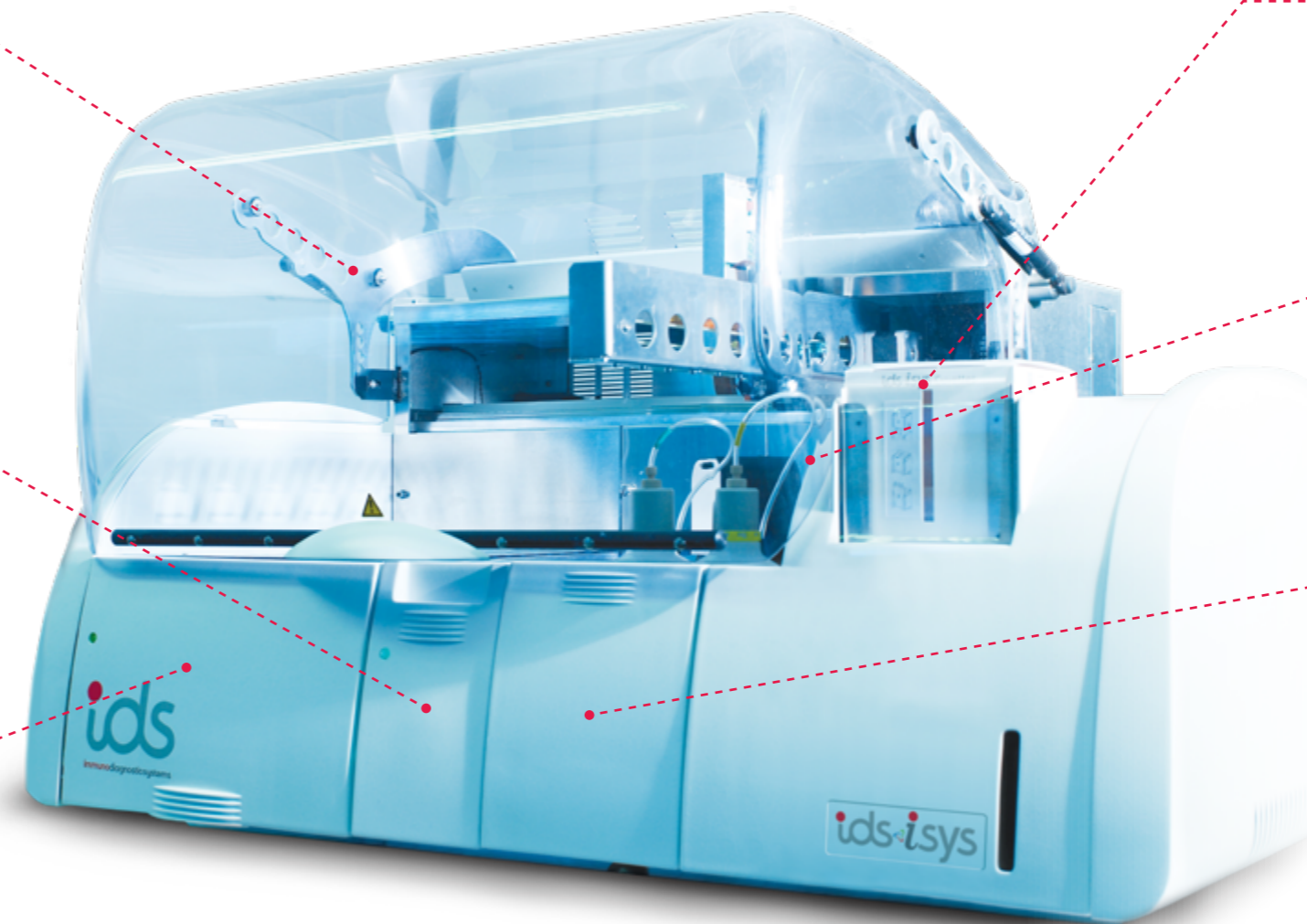
#### Sample area

Up to 120 positions for samples, calibrators and controls (6 racks with 20 positions). Continuous access, with all types of tube 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.



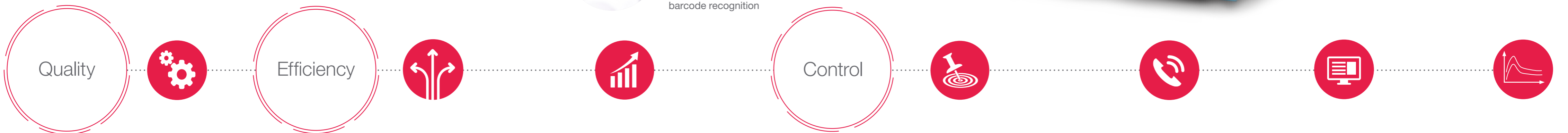
#### Analytical area

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 a full traceability



Quality

Efficiency

Control

### In-house development

- Instrument development is in-house 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 requirement

### Optimized up-time

- 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

### Results you can trust

- Assay integrity guaranteed through:  
Intelligent Clot Management › iCM  
High Pressure Rinsing › HPR
- Automatic cleaning/ decontamination program

### Dedicated support service

- 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