



SOCIÉTÉ SOGEMED TUNISIE



Consolidate your specialty testing Our automated immunoassays

Endocrinology

- Calcium Metabolism
- Bone Metabolism
- Growth
- Reproductive
- Endocrine Hypertension
- Adrenal Function
- CKD-MBD
- Sarcoidosis

Autoimmunity

- Connective Tissue Disease
- Rheumatoid Arthritis⁴
- Celiac Disease
- Vasculitis
- Anti-Phospholipid Syndrome
- Liver Disease
- Thyroid

Infectious Disease

- Epstein Barr Virus
- ToRCH¹
- VZV
- Mumps
- Measles
- Tetanus
- COVID-19^{1,3}

Therapeutic Drug Monitoring²

Allergy

- Eggs
- Epidermals
- Fish & Shellfish
- Fruits
- Grass Pollens
- Microorganisms
- Milk
- Mites
- Legumes, Nuts & Seeds
- Occupational
- Tree Pollens
- Insect Venoms
- Weed Pollens

¹Some products manufactured by Technogenetics; contact for further information

²Manufactured by Theradiag; available in selected countries, contact your local IDS office for further information

³Available in selected countries; contact for further information

⁴Some products manufactured by Diagam; contact for further information

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 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 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 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

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

Ordering information

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

Connect with us

(00 216) 75 292 646 (00 216) 75 292 708

sogemed@hotmail.com www.sogemed.tn