

Specifications

THROUGHPUT

- Typically 140 tests / hour;
- Up to 266 ISE tests / hour.

REAGENT AND SAMPLE SYSTEM

- One rotor combining both sample and reagent positions;
- Inner rotor ring:
 - 30 refrigerated reagent positions for 10 ml, 25 ml and 50 ml reagent bottles;
 - Cooled to 10°C +/-2°C at normal laboratory conditions;
 - All reagent positions can be assigned as R1, R2 and R3;
- Outer rotor ring:
 - 25 barcode readable positions;
 - All positions fit 13x75 mm primary and secondary tubes and pediatric cups;
 - All positions can be used for Calibrators, Controls, Normal, Pediatric and STAT samples.

PIPETTING SYSTEM

- 1000 µl Reagent syringe:
 - R1 volume 110 - 400 µl;
 - R2 volume 0 - 180 µl;
 - R3 volume 0 - 180 µl;
 - Programmable in 1 µl steps;
- 100 µl Sample syringe:
 - Sample volume 1 - 30 µl;
 - Programmable in 0.1 µl steps.
- Programmable dilution ratios 1:5 up to 1:200 in one step increments with 3 possible diluents;
- Pre-heated probe with level detection, collision protection and integrated mixer.

CUVETTE ROTOR

- Cost effective, semi-disposable cuvette rotor with 48 cuvettes, path length 7mm;
- >10.000 tests per rotor;
- Typical reagent consumption 250 µl per test;
- Measuring temperature 37°C, controlled by Peltier elements.

LIGHT SOURCE

- Quartz-Iodine lamp 12V-20W.

WAVELENGTH RANGE

- 340 - 800 nm;
- Optical unit with 8 position filter wheel;
- Automatic wavelength selection;
- 340, 405, 505, 546, 578, 620, 660, 700 nm standard installed;
- Other wavelengths available on request.

PHOTOMETRIC RANGE

- -0.1 to 3.0 Absorbance;
- Resolution 0.001 Abs.

ANALYTICAL MODES (SINGLE, DUAL AND TRIPLE REAGENT SYSTEM)

- Kinetic measurement with linearity check;
- Mono- and bichromatic end point measurement with or without bichromatic reagent blank and/or sample blank correction;
- Two point measurement; with or without slope blank;
- Graphic plot of all measuring points;
- Predilution and automatic reflex dilution as needed;
- Non-linear calibration curves;
- Prozone check for immunology tests;
- Cut-off declaration;
- Calculated tests.

QUALITY CONTROL

- Up to 15 different controls can be defined, 3 per test;
- Westgard rules;
- Levey-Jennings plots;
- Quality control statistics.

WATER CONSUMPTION

- ~950 mL per hour max, continuous operation.

STANDARDS AND REGULATIONS

- CE-IVD;
- CB;
- FDA;
- UL.

DIMENSIONS (BENCHTOP, SELF CONTAINED UNIT)

- 90cm (36in) x 75cm (30in) x 60cm (24in) (W x H x D);
- Weight: 75 kg (165 lbs.).

INTERFACE

- State of the art Host-Query interface available;
- Host: RS232 or Ethernet (TCP/IP) through LIS-2A protocol.

ENVIRONMENTAL CONDITIONS

- Temperature: 15 – 32 °C (59 – 90 °F);
- Humidity: 15 – 85% RH;
- Altitude: up to 2000 m;
- Plumbing: No dedicated system water or drain required;
- Electrical:
 - Voltage: 100 – 240 Vac;
 - Frequency: 50 – 60 Hz;
 - Power (max): 400VA.

INTEGRATED PC

- Touch screen navigation;
- Operating System: Windows™ Embedded.

OPTIONS

BAR CODE READER*

- Hand held CCD bar code reader used for reagent identification and automated programming of assays, controls, and calibrators.

DRY ISE MODULE*

- Patented Solid State Electrode Technology;
- Indirect Measurement;
- Dilution 1:14;
- Measures Sodium, Potassium, Chloride and CO₂.

POSITIVE SAMPLE IDENTIFICATION*

- Positive Sample Identification (PSID) via integrated barcode reader. Reads all popular formats including Codes 39, 128, 93, CODABAR, and Interleaved 2/5.

PRINTER

- Printer supported by MS Windows™.

PROACTIVE MAINTENANCE KIT

- Complete parts kit for annual preventive maintenance.

About ELITech Clinical Systems...

ELITech Clinical Systems is a global leader in BenchTop Chemistry Systems, with over 15,000 Chemistry Systems delivered.

Our mission is to enable better medical decisions by bringing high-value diagnostic solutions and services to laboratories that are closer to the patient (proximity laboratories).

ELITech Clinical Systems leadership originates from our ability to continuously provide differentiated products and services focused to meet the needs of proximity laboratories. ELITech Clinical Systems markets the Selectra Pro Series, designed to deliver trouble-free results laboratories can trust.

Delivering Trouble-Free Results Laboratories can Trust

Robust, Always gets the job done

- ✓ True workhorse with proven system reliability
- ✓ Support you can count on
- ✓ Best in class operator interface, easy to train, operate & maintain

Trouble-Free Operations

- ✓ Simplifies lab operations & reduces error
- ✓ Best vendor services, application & lab operations support
- ✓ Cost effective, minimizes labor, maintenance & waste

Right Results, On Time

- ✓ Designed with mistake proofing and error reducing capabilities
- ✓ Management of difficult samples
- ✓ Proven methodologies, referenced and traceable to industry standards

The Selectra Pro Series builds on the established robustness and reliability of the current Selectra systems, resulting from decades of proven experience in the design and manufacture of award winning BenchTop laboratory products.

Together with a dedicated range of ready-to-use reagents from ELITech Clinical Systems, the Selectra Pro Series provides an ideal chemistry solution for laboratories that are closer to the patient.

Over the past decades, the ELITech Group Companies have established a solid distribution network that operates world-wide. Thousands of customers have experienced the quality, convenience and reliability of ELITech products. Local support is provided by dedicated and well trained sales and service organizations.

Distributor contact information:

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* Included with System in North America

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WORLDWIDE OFFICES:

Belgium T: +32 9 2820 531
Brazil T: +55 27 3025 1415
France T: +33 4 83 36 10 82
Italy T: +39 02 48 40 35 42

Middle East & Africa T: +971 4 375 2744
Serbia T: +381 11 2467119
Switzerland T: +41 26 663 86 60
The Netherlands T: +31 313 430 574

UK T: +44 1442 869320
United States T: +1 855 354 8324

Headquarters T: +33 1 41 45 07 13
www.elitechgroup.com
info@elitechgroup.com

DELIVERING **TROUBLE-FREE** RESULTS

LABORATORIES CAN **TRUST**



SELECTRA PRO
CHEMISTRY SYSTEM

ELITech
Clinical Systems

ELITechGroup
SOLUTIONS
tailored to your needs

Selectra ProS System

The latest in the new Selectra Pro Series, the Selectra ProS is the most compact, fully featured system with enhanced performance and best in class operator interface. New system features enable significant productivity and performance enhancements not typically found in BenchTop Chemistry Analysers.

Together with a superior menu of ready-to-use stable-liquid reagents from ELITech Clinical Systems, the Selectra ProS System provides a state of the art, fully integrated chemistry solution for laboratories that are closer to the patient.

With random access throughput typically 140 tests per hour, the Selectra ProS System is the ideal BenchTop workhorse for primary, STAT or back-up testing needs. This system offers minimal maintenance and effective use of consumables to truly reduce operational cost.

Building on the successful Selectra Family, the Selectra ProS Chemistry System offers an ideal solution of proven quality, performance and value to get the job done with results laboratories can trust, every time and on time.

- ✓ **New customer driven software** with world class operator interface simplifies operation
- ✓ **New productivity and error reducing capabilities** including on-board PSID, Host query and programmable result checks
- ✓ **New automated reagent management** with 2D bar code programming of assays, calibrators and controls and increased capacity with 30 cooled positions on-board
- ✓ **New designs to enhance performance**, significant reduction in maintenance requirements, and optimize the state-of-the-art Dry ISEs
- ✓ **New annual ProActive Maintenance Kit** for cost-effective preventative maintenance

Designed to deliver trouble-free results Laboratories can trust

Capability that Improves Laboratory Operations



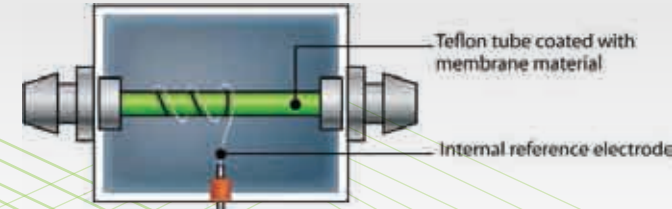
On-board PSID and data management features

PSID is one of the most effective productivity and error reducing capabilities in modern laboratory operations. The Selectra ProS brings on-board PSID to BenchTop Laboratories. Together with advanced data management features like our host-query LIS interface, versatile barcode based PSID eliminates the tedious job of programming samples and error prone matching of sample positions. Tests can be auto-validated versus laboratory defined parameters, improving walk-away operation and further increasing confidence in the results.



New Designs to enhance performance, reliability, and reduce maintenance

- ✓ Improved level sensing and metering performance
- ✓ Improved reagent thermal control
- ✓ Longer life designs of key components reduces cost and cuts preventive maintenance service time in half
- ✓ Improved method performance for TP, Magnesium and ISEs
- ✓ Now available, a cost effective annual ProActive Maintenance Kit



Integrated State-of-the-Art Dry ISE Technology

Patented solid state electrodes can be left dry when not in use which limits routine priming of ISE reference solutions. This reduces reagent consumption and improves cost effectiveness. The Selectra ProS ISE design incorporates new control software and hydraulics which significantly enhances performance and reliability.



Optimized with ELITech Clinical Systems Reagents

When combined with the broad new ELITech Clinical Systems test menu, the innovative system design increases the user-friendliness and efficiency of the Selectra ProS. The enhanced reagent supply provides flexibility in reagent containers and increased on-board stability. New features enable automated programming of assays, with bar coded reagents, calibrators and controls, streamlining operations and reducing error. Optimum sized packaging further enhances efficiency.

Simplicity that Drives Productivity

Best in Class Operator Interface

Selectra Systems are known for easy-to-use software, and the Selectra ProS sets a new standard for software navigation and operator interface. Touch screen operated with a next generation design, the state of the art software significantly boosts laboratory productivity.

The software is designed to have intuitive ease of use across a wide range of laboratory settings, from labs with basic IT to operations with fully automated informatics, from new operators to those with deep experience.

Intuitive icons guide the operator through their workflow and color coded graphic and audible alerts highlight conditions that operators need to know. Details are just a touch away.

Taking software to the next level

The intuitive simplicity designed into the software enables inexperienced staff to operate the Selectra ProS within an hour. Interactive routines lead the operator to the results quickly. Simplified operation brings new staff up to speed quickly, delivers continuous productivity improvements, and reduces errors.

- ✓ The unique combination of PSID, host-query LIS interface and programmable result checks dramatically improves walk-away time and reduces sample and test request entry and associated errors.
- ✓ Customizable start and end-of-day checklists guide operators through daily tasks, tracking upcoming maintenance, inventory on-board, and expiring calibrations and reagents.
- ✓ Operators' manual and system maintenance instructions are integrated in the software. Touch HELP on your daily checklist and the system links you directly to the instructions.
- ✓ To further optimize productive laboratory time, the system is capable of remote diagnostics, and will have software aided service adjustments and performance tests to maximize uptime.



Home screen



Start of the day



Patient request

THE NEW STATE OF THE ART IN BENCHTOP CHEMISTRY, SOFTWARE DESIGNED TO DELIVER TROUBLE-FREE RESULTS LABORATORIES CAN TRUST.

Simplified Operations with growing line of liquid-stable reagents

- ✓ Dedicated line of ready-to-use assays, packaged to fit the BenchTop laboratory
- ✓ Tied to proven methodologies, referenced and traceable to industry standards
- ✓ Standardized results across ELITech Clinical Systems SELECTRA Family
- ✓ Ongoing commitment to develop new methods and enhancements

Superior Test Menu*

Committed to delivering leading edge assays such as TxBCardio™ and Hyaluronic Acid test kit.

General Chemistry	ALT, AST, ALP, LDH, γ -GT, CK-NAC, CK-MB, Amylase
Specific Proteins	Albumin, Uric Acid, Bilirubin Total, Bilirubin Direct, Cholesterol, HDL Cholesterol, LDL Cholesterol, Creatinine, Glucose, Total Protein, Microprotein, Triglycerides, Urea
Ion Selective Electrodes	Calcium, Magnesium, Phosphorus, Iron, TIBC
	HbA1C, CRP, APO A1, APO B, Microalbumin, Transferrin, IGA, IGG, IGM, Prealbumin, Haptoglobin, Orosomucoid
	Potassium, Chloride, CO ₂ , Sodium

*Subject to regulatory clearance for some markets.