

# Specifications

## THROUGHPUT

- Up to 360 tests per hour;
- Up to 450 tests per hour with ISE unit.

## REAGENT SYSTEM

- Two rotors with each 24 positions for 25 ml bottles and 8 positions for 10 ml bottles. All positions can be assigned as R1, R2 and R3. Adapters for 10 ml bottles in 25 ml positions;
- 10 pairs of 25 ml positions can be used for 50 ml bottles;
- Reagent 1 volume 110 - 400 µl;
- Reagent 2 volume 0 - 180 µl;
- Reagent 3 volume 0 - 180 µl;
- Cooled to 10°C/+2°C at normal laboratory conditions;
- Preheated reagent needles with level detection and integrated mixer;
- Typical reagent consumption 250 µl per test.

## SAMPLE SYSTEM

- Sample rotor containing:
  - 80 barcode read samples positions;
  - Inner ring for 20 calibrators and 10 controls;
- Stat and pediatric functionality;
- Continuous loading;
- Internal barcode reading;
- Primary tubes (13 or 16 mm OD);
- All positions can contain 5 ml or 10 ml primary tubes or sample cups;
- Sample volume 1 - 30 µl per test, programmable in steps of 0.1 µl;
- Sample probe with level detection and integrated mixer.

## SAMPLE PREDILUTION (MULTIPLE REAGENT MODE ONLY)

- Pre-programmed ratios selectable from 1:2 to 1:100 with 3 diluents;
- Automatic parent calibrator dilution.

## PIPETTING SYSTEM (2)

- Hamilton syringes and valve block;
- Reagent syringe 1000 µl;
- Sample syringe 100 µl.

## CUVETTE ROTORS (2)

- Semi-disposable rotor with 48 cuvettes. Path length 7 mm;
- > 10,000 tests per rotor;
- Min. measuring volume 220 µl;
- Measuring temperature 37°C, controlled by Peltier elements.

## WASHING UNITS (2)

- Cuvette-washing with 4 x 500 µl of water. The unit is equipped with liquid sensors. Waste is separated into diluted and concentrated (sample/reagent mixture and optional ISE-unit waste). Cuvettes are dried before use.

## LIGHT SOURCE (2)

- Quartz-iodine lamp 12V-20W.

## OPTICS & WAVELENGTH RANGE

- 2 optical units with each a 8 position filter wheel;
- Automatic wavelength selection by 8-position filterwheel (340, 376, 405, 436, 505, 546, 578 and 620 nm);
- Other wavelengths available on request;
- Half bandwidth 8 to 12 nm.

## PHOTOMETRIC RANGE

- -0.1 to 3.0 Absorbance.

## ANALYTICAL MODES

- Kinetic measurement with linearity check;
- Bichromatic end point measurement with or without bichromatic reagent blank and/or sample blank correction;
- Two point measurement;
- Graphic plot of all measuring points;
- Automatic rerun with sample reduction;
- Non-linear calibration curves.

## AMBIENT TEMPERATURE

- 15-32°C;
- Maximum humidity 80%.

## MEASUREMENT CAPABILITIES (SINGLE REAGENT MODE)

- Reagent Absorbance (bichromatic) before sample addition;
- Kinetic during 7 minutes after sample addition;
- End Point (Bichromatic) 11.5 minutes after sample addition;
- Kinetic can contain two points for two-point measurements.

## MEASUREMENT CAPABILITIES (DUAL REAGENT MODE)

- Reagent Absorbance (bichromatic) before sample addition;
- Kinetic 1 for 4.5 minutes after sample addition (can be used as sample blank for Kinetic 2);
- Kinetic 2 for 4 minutes after reagent 2 addition;
- Kinetic 1+2 for 8.5 minutes after sample addition;
- Sample blank (bichromatic) before reagent 2;
- Endpoint (bichromatic) 4.5 minutes after sample addition or 11.5 minutes after sample addition;
- Kinetic 1, Kinetic 2 or Kinetic 1 + 2 can contain a minimum measuring time or two points for two-point measurements.

## MEASUREMENT CAPABILITIES (TRIPLE REAGENT MODE)

- Additional timings available for three reagent system.

## CALCULATION MODES

- Prozone check for immunology tests;
- Cut-off declaration.

## QUALITY CONTROL

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

## CERTIFICATES

- CE;
- CB;
- UL.

## LANGUAGES

- English, German, Spanish, French, Italian, Chinese and Dutch;
- Other languages on request.

## WEIGHT

- 190 kg.

## DIMENSIONS (FLOORSTANDING)

- 117 x 115 x 80 cm (W x H excl. Monitor x D)

## OPTIONS

### BAR CODE READER

- Hand held CCD bar code reader (can read all common bar codes) used for test requisition and reagent identification.

### CONCENTRATED WASTE

- Separate waste container for concentrated waste.
- Also an option for 20 liter waste and system fluid containers.

### PRINTER

- The application supports two printers simultaneously; one for patient reports and one for calibration and system data;
- Most printers supported by Windows can be connected.

### DRY ISE MODULE

- Patented Solid State Electrode Technology;
- Indirect Measurement;
- Dilution 1:14;
- Measures Sodium, Potassium, Chloride and CO<sub>2</sub>.

# 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.

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Belgium T: +32 9 2820 531  
Brazil T: +55 27 3025 1415  
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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

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# Selectra ProXL System

The latest in the new Selectra Pro Series, the Selectra ProXL is the most productive and fully featured Selectra Pro System with an enhanced ergonomic design. New system features integrate the Touch-Screen Panel PC, improved reagent cooling and an optimized ISE module to deliver performance, space and productivity enhancements.

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

With random access and typical throughput of 400 tests per hour, the Selectra ProXL System is a compact, self-contained floor standing solution for primary, STAT or back-up testing. This new system offers minimal maintenance and efficient use of consumables to truly reduce operational cost.

Building on the successful Selectra Family, the Selectra ProXL 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.

- ✓ **Enhanced design** with integrated Touch-Screen, Peltier reagent cooling and Dry Electrode ISE Module
- ✓ **Customer driven software** including on-board PSID, Host query and programmable result checks
- ✓ **Productivity and error reducing capabilities** and error reducing capabilities including on-board PSID, Host query and programmable result checks
- ✓ **New features enhance performance**, with significant reduction in maintenance requirements, optimized state-of-the-art Dry ISEs and improved reagent cooling and onboard stability
- ✓ **New Annual ProActive maintenance kit** for cost effective preventative maintenance
- ✓ **Throughput & True Walk Away Capacity** The Selectra ProXL combines throughput with true Walk Away Capacity (up to 4.5 hours), bringing a much higher real throughput and productivity

# Designed to deliver trouble-free results laboratories can trust

## Capability that Improves Lab Operations



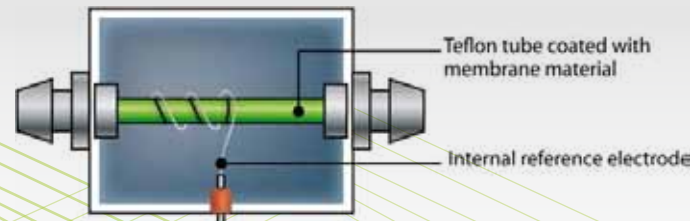
### Optimized with ELITech Clinical Systems Reagents

When combined with the broad new ELITech Clinical Systems test menu, the innovative system design increases the user-friendliness and efficiency of the Selectra ProXL. The enhanced reagent supply provides flexibility in reagent containers and increased on-board stability. Bar coded reagents streamline operations and reduces error. Optimum sized packaging further enhances efficiency.



### On-board PSID and data management features

PSID is one of the most effective productivity and error reducing capabilities in modern laboratory operations. Together with advanced Selectra ProXL 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.



### Integrated State of the Art Dry ISE Technology

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



### 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

## Simplicity that Drives Productivity

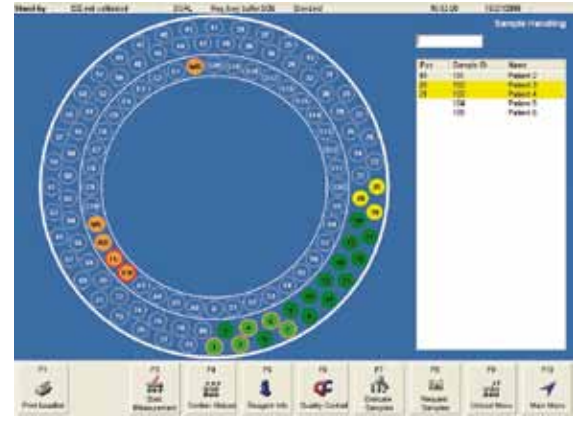
### Simplicity

Selectra Systems are known for easy-to-use software, and the Selectra ProXL is no exception. Touch screen operated design, the state of the art software significantly boosts laboratory productivity. Intuitive graphics guide the operator through their workflow and color coded and audible alerts highlight conditions that operators need to know. Details are just a touch away.

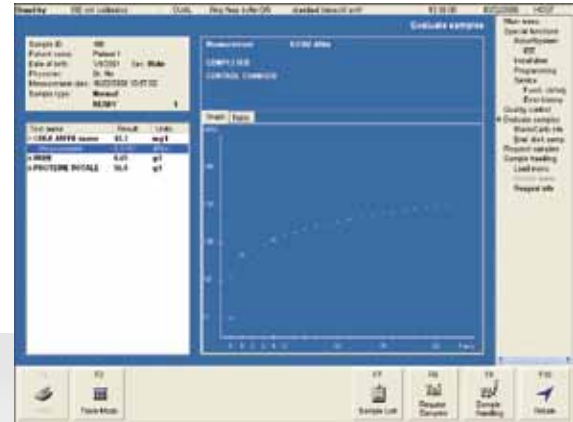
### Taking software to the next level

The intuitive simplicity designed into the software enables inexperienced staff to operate the Selectra ProXL 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.

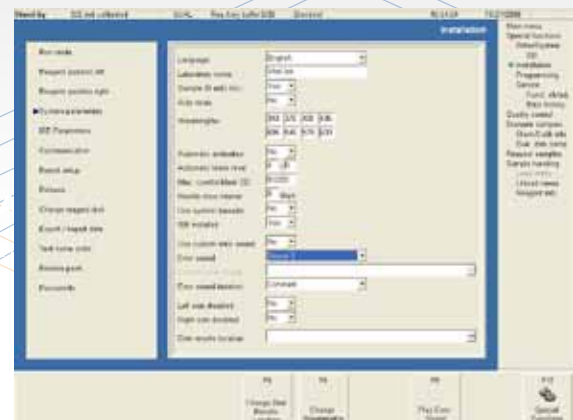
- ✓ The unique combination of PSID, host-query LIS interface and programmable result checks dramatically improves walk-away time and reduces sample and test request entry and associated errors.
- ✓ QC results are stored in memory and are easily displayed on the screen. The software calculates the mean, standard deviation and coefficient of variance. Validation using Westgard rules and a display of the Levey Jenning plot are also included
- ✓ To further optimize productive laboratory time, the system can be integrated into local networks. In addition, the system has built in software aided service adjustments and performance tests to maximize uptime. With dedicated remote control software, the Selectra ProXL can also be operated and examined from any location.



Load sample menu



Evaluate sample menu



System parameter menu

### Simplified Operations with growing line of liquid-stable reagents

- ✓ Dedicated line of ready-to-use assays, with flexible packaging to fit small and medium laboratories
- ✓ 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 kits.

<b>General Chemistry</b>	ALT, AST, ALP, LDH, γ-GT, CK-NAC, CK-MB, Amylase
<b>Specific Proteins</b>	Albumin, Uric Acid, Bilirubin Total, Bilirubin Direct, Cholesterol, HDL Cholesterol, LDL Cholesterol, Creatinine, Glucose, Total Protein, Microprotein, Triglycerides, Urea
<b>Ion Selective Electrodes</b>	Calcium, Magnesium, Phosphorus, Iron, TIBC
	HbA1C, CRP, APO A1, APO B, Microalbumin, Transferrin, IGA, IGG, IGM, Prealbumin, Haptoglobin, Orosomucoid
	Potassium, Chloride, CO2, Sodium

### Three Reagent System

The software supports a "three reagent system". This feature makes the Selectra Pro XL the ideal platform for special applications, which often require long incubation times.