

DELIVERING **TROUBLE FREE** RESULTS

LABORATORIES CAN **TRUST**



# SELECTRA *PRO* XS

CHEMISTRY SYSTEM

# Selectra ProXS system

**Together with a dedicated range of ready-to-use reagents from ELITech Clinical Systems, the new Selectra ProXS provides a fully integrated chemistry solution for smaller or satellite laboratory locations.**

Robust, compact, and easy-to use, with a discrete random access throughput up to 75 tests per hour, the Selectra ProXS system is the ideal BenchTop solution for primary, STAT or back-up testing needs. This new

system offers minimal maintenance and effective use of consumables to provide a truly cost effective operation.

Building on the successful Selectra family, the Selectra ProXS chemistry systems offer an ideal solution of proven quality, performance and value to get the job done with results laboratories can trust, every time and on time!



- Proven system reliability
- Superior menu of ready to use, Stable Liquid reagents
- Easy to train, operate and maintain
- Minimal water consumption
- Enhanced turnaround time
- Automated request sample and reagent management

**Delivering trouble-free results laboratories can trust**

SELECTRA PROXS

# Designed to meet the laboratory needs



## ELITech Clinical Systems Reagents

When combined with the broad ELITech Clinical Systems test menu the innovative system design further increases the user-friendliness and efficiency of the new system. The combined reagent and sample supply enables flexibility in reagent containers, on board refrigeration, and samples sizes.



## Sampling probe with integrated mixer and level sensing

The unique sampling probe streamlines sample and reagent level sensing, aspiration and mixing. That reduces complexity, enhances uptime and provides collision protection.



## Disposable cuvettes

Disposable cuvettes reduce maintenance and water consumption while improving test turnaround time.



## Bar code reader: test requisition, sample and reagent identification

Optional reagent and patient bar code further simplifies operations and eliminates potential errors.

## Superior Test Menu

### General Chemistry

ALT, AST, ALP, LDH,  $\gamma$ -GT, Amylase, CK-NAC, CK-MB  
Albumin, Uric Acid, Bilirubin Total, Bilirubin Direct, Cholesterol, HDL Cholesterol, LDL Cholesterol, Creatinine, Glucose, Total Protein, Microprotein, Triglycerides, Urea  
Calcium, Chloride, Magnesium, Iron, Phosphorus

### Specific Proteins

**HbA1C**, CRP, APO A1, APO B, Microalbumin, Transferrin, IGA, IGG, IGM, Prealbumin, Haptoglobin, Orosomucoid

# Intuitive software capabilities

## Simplicity

The simplicity of the software allows a skilled technician to operate the Selectra ProXS within an hour. Interactive and intuitive routines lead the operator to the results quickly. The system maintenance instructions are integrated in the software.

## On-Board Quality Control

QC results are stored in memory and are easily displayed on the screen. The software calculates the mean, standard deviation and coefficient of variation. Validation using Westgard rules and a display of the Levey Jenning plot are also included.

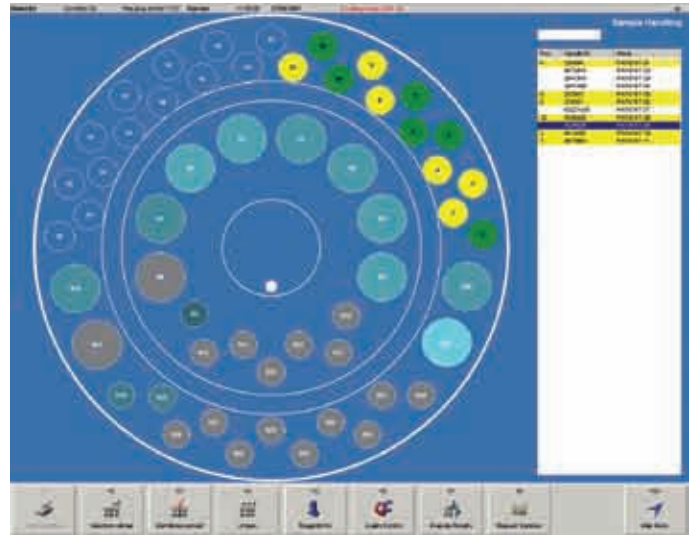
## Three Reagent System

The software supports a "three reagent system". This feature makes the Selectra ProXS the ideal platform for special applications or sample pretreatment steps.

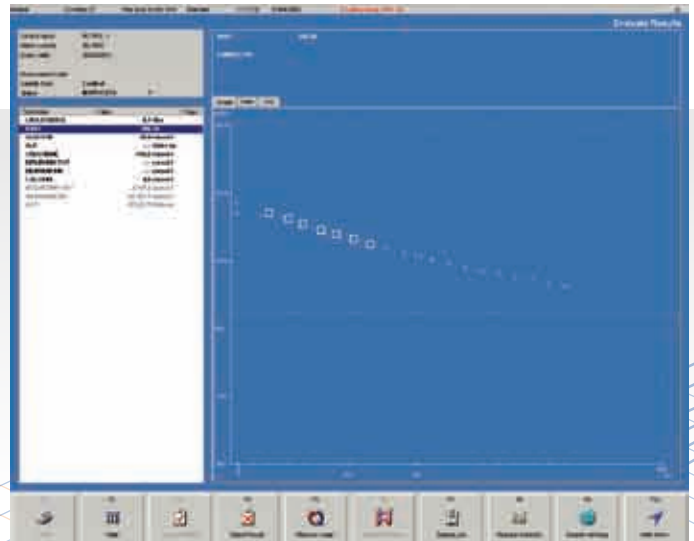
## Network and Host Facilities

The use of an external Operator Console easily enables the integration of the Selectra ProXS to a local network.

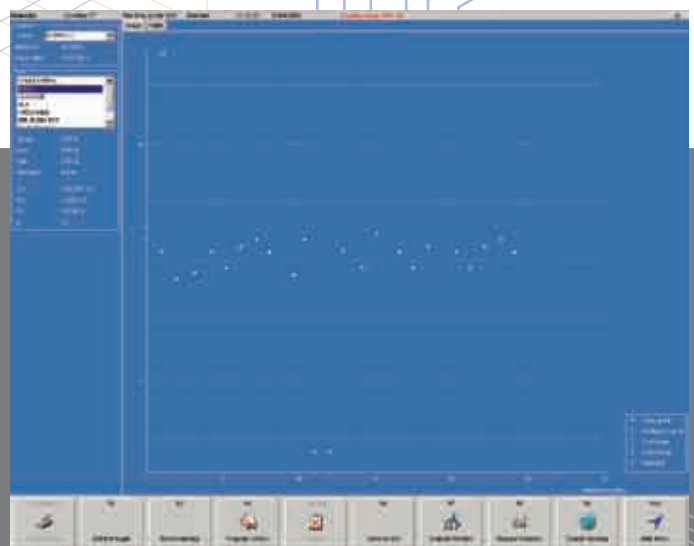
Bi-directional Host Connection allows the system to receive instructions and to transmit data to the data management system.



Load sample menu



Evaluate sample menu



Quality control menu

# Specifications

## THROUGHPUT

- Up to 75 tests per hour.

## REAGENT AND SAMPLE SYSTEM

- One rotor combining both sample and reagent positions;
- Positions for 10 ml, 25 ml and 50 ml reagent bottles;
- Inner rotor ring:
  - 15 positions for reagent bottles;
  - Optionally cooled to approximately 10°C;
- Outer rotor ring:
  - 25 positions for (STAT) samples, controls and calibrators;
  - 15 positions for reagent bottles at ambient temperature;
- All reagent positions can be assigned as R1, R2 and R3;
- One needle with level detection, collision protection and integrated mixer;
- All sample positions can contain 13 mm Ø primary tubes or sample cups.

## SAMPLE PREDILUTION

- Programmable ratios 1:5 up to 1:100 in one step increments with 3 possible diluents:

## 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.

## CUVETTE ROTOR

- Disposable cuvette rotor with 48 cuvettes;
- Path length 7 mm;
- Minimum measuring volume 220 µl;
- 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 nm standard installed;
- One free position;
- 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;
- Automatic rerun with sample reduction;
- 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

- ~250 mL per hour.

## STANDARDS AND REGULATIONS

- CE-IVD;
- CB.

## DIMENSIONS (BENCHTOP)

- 89 x 58 x 60 cm (W x H x D);
- No peripherals;
- Weight: 67 kg.

## INTERFACE

- Instrument: RS232;
- Host: RS232 or Etherhet (TCP/IP) through LIS-2A protocol.

## ENVIRONMENTAL CONDITIONS

- Temperature: 15 – 32 °C;
- Humidity: 15 – 85% RH;
- Altitude: up to 2000 m;
- Plumbing: No dedicated water or drain required;
- Electrical:
  - Voltage: 100 – 240 Vac;
  - Frequency: 50 – 60 Hz;
  - Power (max): 350 VA.

## OPTIONS

### BAR CODE READER

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

### PRINTER

- Printer supported by MS Windows™.

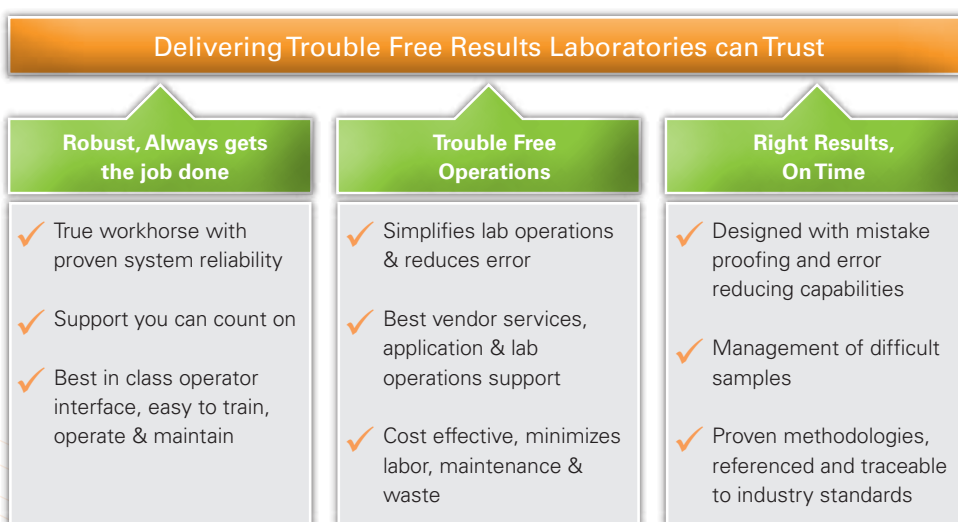
### PC

- State of the art Pentium or equivalent;
- Operating System: MS Windows™ XP.

# 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 diagnostics 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 proximity laboratories. ELITech Clinical Systems markets the Selectra Pro Series, designed to deliver trouble-free results laboratories can trust.



The Selectra Pro Series builds on the 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 laboratory locations that are closer to the patient.

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

Distributor contact information:

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