CLINICAL SYSTEMS

Selectra ProM



SELECTRA PROM

CHEMISTRY SYSTEM

Delivering trouble free results laboratories can trust

ELITechGroup
CLINICAL SYSTEMS

Selectra ProM System

Setting the new standard in benchtop Chemistry Systems, the Selectra ProM offers a robust new compact design, with 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 ELITechGroup Clinical Systems, the new Selectra ProM System provides a state of the art, fully integrated chemistry solution for laboratories that are closer to the patient.

With random access throughput up to 180 tests per hour, the Selectra ProM System is the ideal benchtop workhorse for primary, STAT or back-up testing needs. This new system offers minimal maintenance and effective use of consumables to truly reduce operational cost.

Building on the successful Selectra Family, the Selectra ProM 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 Selectra Touch Pro software is customer driven with a world class operator interface to simplify operation
- ✓ New Productivity and error reducing capabilities including on-board PSID, reagent ID, automated programming of assays, calibrators and controls, host query and programmable result checks
- ✓ Compact integrated design including reagent cooling, touchscreen command center, ISE module, on-board waste and water
- ✓ Low water consumption only up to 500 mL per hour
- ✓ Ideal platform for 3 reagent applications which often require long incubation times
- ✓ Annual ProActive Maintenance kit for cost-effective preventative maintenance

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 ELITechGroup Clinical Systems Selectra Family
- ✓ Commitment to ongoing enhancement to existing methods

Capability to Improve Laboratory Operations

System Functionality for today's working environment

Every laboratory is looking to reduce errors, increase productivity and optimize walkaway time. The Selectra ProM provides everything a laboratory needs to deliver the best working solution.

Selectra ProM unique sample and reagent probes improve operation and decreases errors.

- ✓ Liquid sensor detection, collision protection and precision metering

PSID is one of the most effective productivity and error reducing capabilities in modern laboratory operations.

- ✓ Eliminates the time required for manual input of patient samples

Optimum test environment to ensure consistent accurate results.

- ✓ Unique vortex mixing and temperature controlled (37°C)

Space saving compact benchtop design.

- ✓ No additional external water purification system
- ✓ No need to find space for waste container

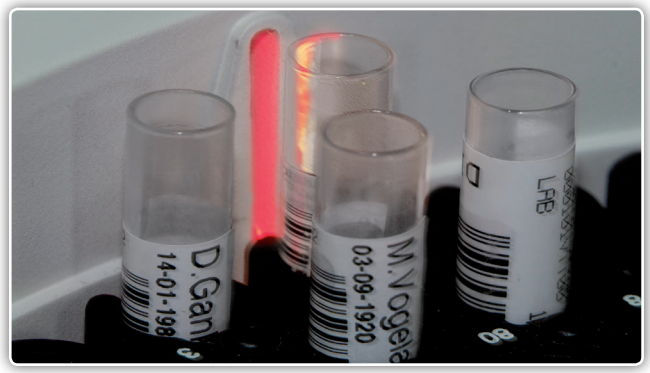
The Pro ISE has been designed to enhance performance, reliability and consistency.

- ✓ Patented dry ISE electrodes do not need to be continuously primed, reducing reagent consumption
- ✓ Long electrode shelf life and on-board stability
- ✓ Results traceable to reference standards via calibrators and controls

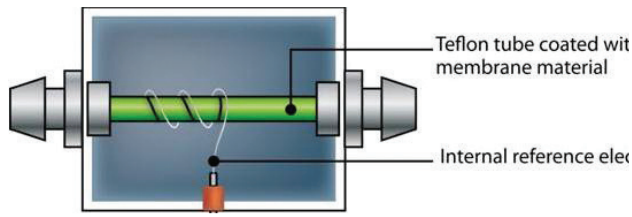
ELITechGroup Clinical Systems provides ready to use liquid reagents which are specifically developed and validated for use with the Selectra Pro instrument series to optimize performance.

- ✓ Barcoded for easy programming, loading and tracking
- ✓ Up to 28 day on-board stability with integrated cooling
- ✓ Available in various packaged sizes to fit the laboratory's needs
- ✓ Dedicated support from ELITechGroup Clinical Systems

PSID



Pro ISE



Bar coded user friendly reagnets



Superior Test Menu*

General Chemistry	ALT/GPT, ALP , Amylase, AST/GOT, CK-MB, CK-NAC, GGT Plus, LDH-L
	Albumin, Bilirubin Direct, Bilirubin Total, Cholesterol, Cholesterol HDL, Cholesterol LDL, Creatinine, Glucose, Microprotein Plus, Total Protein Plus, Triglycerides, Urea UV, Uric Acid
	Calcium, Iron, Magnesium, Phosphorus
Specific Proteins	C-reactive Protein, Haptoglobin, HbA1C, IgA IP, IgG IP, IgM IP, Microalbumin, Orosomucoid, Prealbumin, Transferrin
Ion Selective Electrodes	Carbone Dioxide, Chloride, Potassium, Sodium

*Subject to regulatory clearance for some markets.

Simplicity That Drives Productivity

Best in Class Operator Interface

Selectra Systems are known for easy-to-use software, and the Selectra ProM sets a new standard for software navigation and operator interface. Touch screen operation with a next generation design, the state of the art software significantly boosts laboratory productivity.
The Selectra Touch Pro 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 ProM 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.
- ✓ Maintenance tasks can be scheduled to run automatically when the chemistry analyzer is not in use and one touch access to operator manual from every screen
- ✓ Real time support using remote access provides immediate support, reduces downtime and costs

Home Screen in Active State



Start of the day Checklist



Patient Results



Global Service Support

ELITechGroup uses its 50 years of knowledge and expertise to ensure that you get the service you need to minimize downtime. With global coverage of over 200 distributors you can be assured of first class local support backed with our central support team.
Our highly trained service technicians will apply their expertise to the installation, and maintenance of your chemistry analyser system. Before, during and after the installation our service technicians will answer any questions you have regarding the system or software. Tailored user training can be provided by application specialists with the addition of comprehensive online training support.

SPECIFICATIONS

THROUGHPUT
- Typically 180 tests / hour;
- Up to 266 ISE tests / hour.

REAGENT
- Refrigerated reagent rotor controlled with Peltier elements;
- Cooled to 10°C+/-2°C at normal laboratory conditions;
- 32 reagent positions for 10 ml, 25 ml and 50 ml reagent bottles;
- Reagent ID and automated programming of assays and calibrators via barcode;
- Typical reagent consumption 250 µl per test;
- All reagent positions can be assigned as R1, R2 and R3;
- Pre-heated needle with level detection, collision protection and integrated mixer..

SAMPLE SYSTEM
- Sample rotor containing:
  - Outer segment with 50 barcode readable positions
  - Inner segment with 12 auxiliary 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;
- Sample probe with level detection, integrated mixer and collision protection;
- Programmable dilution ratios 1:5 up to 1:200 in one step increments with 3 possible diluents.

PIPETTING SYSTEM
- 1000 µl reagent syringe:
  - R 1 volume 110 - 400 µl;
  - R 2 volume 0 - 180 µl;
  - R 3 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
- Cost effective, semi-disposable cuvette rotor with 48 cuvettes, path length 7mm;
- >10.000 tests per rotor;
- 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, 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
- ~500 mL per hour max, continuous operation.

STANDARDS AND REGULATIONS
- CE -IVD;
- CB ;
- FDA;
- UL .

DIMENSIONS (BENCHTOP, SELF CONTAINED UNIT)
- 125cm (50in) x 75cm (30in) x 62cm (25in) (W x H x D);
- Weight: 95 kg (210 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;
- A ltitude: up to 2000 m;
- Plumbing: No dedicated system water or drain required;
- Electrical:
  - Voltage: 100 - 240 Vac;
  - Frequency: 50 - 60 Hz;
  - Power (max): 380 VA.

INTEGRATED PC
- Touch screen navigation;
- Operating System: MS Windows™ XP.

OPTIONS

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

DRY ELECTRODE 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, 11, 93, 4, CO DABAR, and Interleaved 2/5.

PRINTER
- Printer supported by MS Windows™.

ECO KIT
- Enables separate collection of concentrated measurement mixture and dilute (wash) waste.

PROACTIVE MAINTENANCE KIT
- Complete parts kit for annual preventive maintenance.

* Included with System in North America

Selectra ProM™ is a trademark of ELITechGroup BV
Windows™ is a trademark of Microsoft

About ELITechGroup Clinical Systems...

ELITechGroup 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).
ELITechGroup Clinical Systems leadership originates from our ability to continuously provide differentiated products and services focused to meet the needs of proximity laboratories. ELITechGroup 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 ELITechGroup Clinical Systems, the Selectra Pro Series provides an ideal chemistry solution for laboratories that are closer to the patient.

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

Distributor contact information:

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