Specifications

THROUGHPUT
- Up to 180 photometric tests / hour in MONO mode.

REAGENT SYSTEM
- 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;
- Typical reagent consumption 250 ul 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 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 rations 1:5 up to 1:200 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
- 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 wavelenghts 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.

WATER CONSUMPTION
- ~500 mL per hour max, continous operation.

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

STANDARDS AND REGULATIONS
- CE-IVD;
- CB.
- US - FDA Registered Manufacturer

DIMENSIONS (BENCHTOP , SELF CONTAINED UNIT)
- 122 x 75 x 61 cm (W x H x D);
- Weight: 95 kg.

INTERFACE
- Host: RS232 or Ethernet (TCP/IP) through LIS-2A protocol.

ENVIRONMENTAL CONDITIONS
- Temperature: 15 – 32 °C;
- 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): 380 VA.

OPTIONS

EXTERNAL PC
- Operating System: MS Windows™ XP.

BAR CODE READER
- Hand held CCD bar code reader used for test requisition, reagent identification and automated programing of assasys, controls, and calibrators.

PRINTER
- Printer supported by MS Windows™.

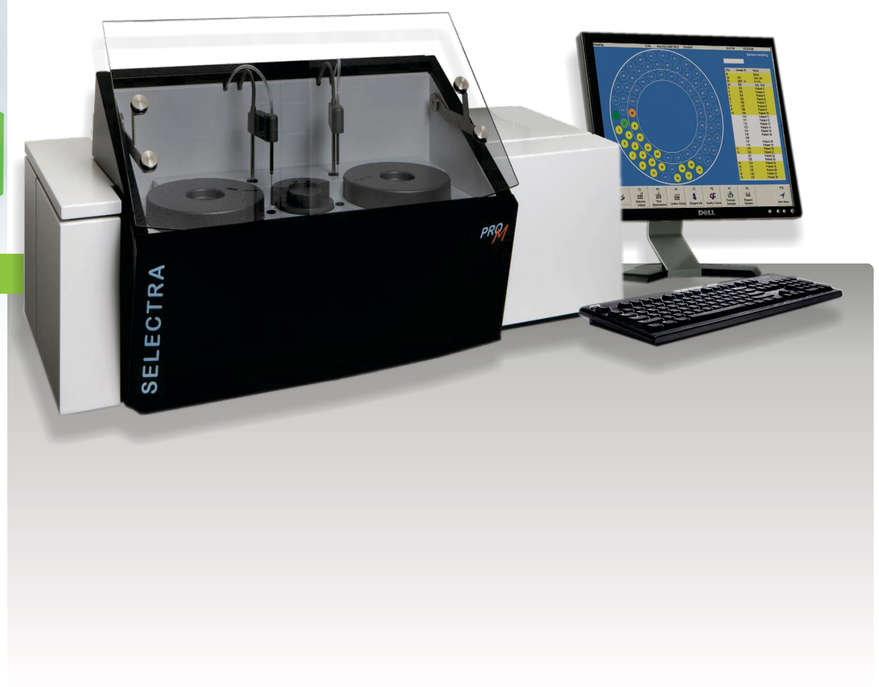
General Chemistries	ALT, AST, ALP, LDH, G-GT, CK-NAC, CK-MB, Amylase
	Albumin, Uric Acid, Bilirubin Total, Bilirubin Direct, Cholesterol, HDL Cholesterol, LDL Cholesterol, Creatinine, Glucose, Total Protein, Microprotein, Triglycerides, Urea
	Calcium, Magnesium, Phosphorus, Iron, TIBC
Specific Proteins	HbA1C, CRP, APO A1, APO B, Microalbumin, Transferrin, IGA, IGG, IGM, Prealbumin, Haptoglobin, Orosomucoid

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DELIVERING **TROUBLE FREE** RESULTS
LABORATORIES CAN **TRUST**



SELECTRA PRO M LITE

CHEMISTRY SYSTEM

ELITech Clinical Systems

New Selectra ProM Lite

Designed to deliver trouble free results laboratories can trust

Setting the new standard in BenchTop Chemistry Systems, the Selectra ProM Lite offers a robust new compact design, with best in class operator interface. New system features enable signifcant 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 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 Lite 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.

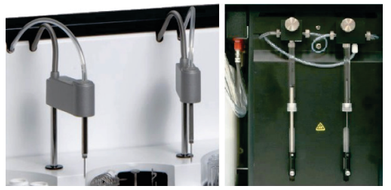


- ✓ **New** world class operator interface simplifies operation
- ✓ **New** compact integrated design - fully self contained including Command Center, reagent cooling, and on-board laundry
- ✓ **New** productivity and error reducing capabilities: Separate pipetting probes with separate metering syringes for enhanced accuracy and precision
- ✓ **New** designs to improve performance, minimize maintenance and maximize uptime

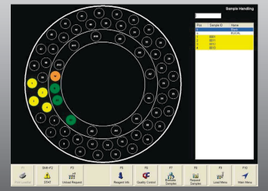
Improved Laboratory Operations

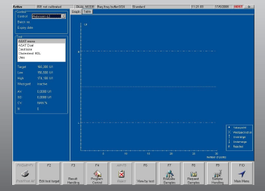


Optimized with ELITech Clinical Systems Reagents
When combined with the broad new ELITech Clinical Systems test menu, the innovative system design increases the user-friendliness and efficiency of the Selectra ProM.
The enhanced reagent supply provides flexibility in reagent containers and increased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



Unique pipetting probes for improved operations
The Selectra ProM comes with two separate pipetting probes which are controlled by two unique metering long life syringes. These probes have liquid level sensors, collision protection and pre-heating functions. They also function as mixers with unique vortex mixing, thus eliminating potential carry-over due to additional mixer modules. Sturdy hardware gives high MTBF and increased confidence in results, while minimising cost of ownership.





Simplicity with advanced features
The simplicity of the software allows a skilled technician to operate the Selectra ProM within few hours. System maintenance instructions are integrated into the software, making it very convenient. QC software calculates the mean, standard deviation and coefficient of variance and stores in memory. Validation using Westgard rules and a display of the Levey Jenning plot are also included.



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 many routine tests

Simplifed 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
- ✓ Commitment to ongoing enhancement to existing methods
- ✓ Convenient pack sizes and long on-board stability

Key features and benefits

- ✓ Use of Selectra optical system: accurate, proven, reliable and time-tested
- ✓ Minimal consumables and low reagent volume: low cost per test
- ✓ Limited water consumption and less use of electricity: low running costs
- ✓ Versatile and flexible: Routine chemistries, Specific Proteins, trace ions and many other tests possible with open capabilities of R1, R2 & R3 reagent system

SELECTRA PROM LITE

Simplicity that Drives Productivity