Clinical Systems

Selectra ProM™

THE SMARTEST CHOICE
FOR YOUR GROWING
LABORATORY NEEDS

SELECTRA

PRO M

Cresce
cum fide

Selectra **Solutions**

Clinical Systems

SPECIFICATIONS

THROUGHPUT
- Typically 180 tests/hour[1]
- Up to 333 ISE tests/hour (Dry ISE optional)

REAGENT HANDLING
- Refrigerated reagent rotor controlled with Peltier elements
- Cooled to 10℃+/-4℃ at normal laboratory conditions
- 32 reagent positions for 10 mL and 25 mL reagent bottles
- Reagent ID and automated programming of assays, calibrators and controls via barcode
- All reagent positions can be assigned as R1, R2 and R3
- Pre-heated needle with level detection, collision protection and integrated mixer

SAMPLE HANDLING
- 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 - 399 µL
  - R 2 volume 10 - 289 µL
  - R 3 volume 10 - 289 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 7 mm
- >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, post-dilution 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-IVDR
- USA FDA 510(k)
- CB
- UL

DIMENSIONS & WEIGHT
- 125 cm (50 in) x 59 cm (23 in) x 62 cm (25 in) excl. monitor and panel PC (WxHxD)
- 95 kg (210 lbs)

INTERFACE
- State of the art Host-Query interface available
- Host: RS232 or Ethernet (TCP/IP) through LIS-2A protocol
- Hand held CCD barcode reader used for reagent identification and automated programming of assays, controls, and calibrators

INSTALLATION CONDITIONS
- Temperature: 15 - 32 ℃ (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): 400 VA

INTEGRATED PC[2]
- Touch screen navigation
- Operating System: MS Windows 10 IoT

OPTIONS

ISE MODULE[2]
- Patented Solid State Dry Electrode Technology
- Indirect measurement
- Dilution 1:14
- Measures Sodium, Potassium, Chloride and Bicarbonate

POSITIVE SAMPLE IDENTIFICATION
- Positive Sample Identification (PSID) via integrated barcode reader
- Reads all popular formats including Codes 39, 128, 11, 93, CODABAR and Interleaved 2/5

PRINTER
- Printer supported by MS Windows™

PROACTIVE MAINTENANCE KIT
- Complete parts kit for annual preventive maintenance

[1] Assuming combinations of photometric and ISE tests.
[2] Please verify the right instrument catalog number for this option from your local representative.

ELITechGroup
EMPOWERING IVD

www.elitechgroup.com

6003-404-490-07EN OCT 2023