

Specifications selectra jr

THROUGHPUT

- Up to 100 tests per hour;
- Up to 150 tests per hour with ISE unit.

REAGENT & SAMPLE SYSTEM

- One rotor combining both sample and reagent positions;
- Inner rotor ring:
 - 15 positions for reagent bottles
 - Optionally cooled to approximately 10°C;
- Outer rotor ring:
 - 25 positions for samples, controls and calibrators;
 - 15 positions for reagent bottles at ambient temperature;
- All reagent positions can be assigned as R1, R2 and R3;
- Reagent 1 volume 110 - 400 µl;
- Reagent 2 volume 0 - 180 µl;
- Reagent 3 volume 0 - 180 µl;
- Preheated reagent and sample needle with level detection and integrated mixer;
- Typical reagent consumption 250 µl per test;
- Continuous sample loading;
- 13 mm OD primary tubes;
- All sample positions can contain 5 ml primary tubes or sample cups;
- Sample volume 1 - 30 µl per test, programmable in steps of 0.1 µl.

SAMPLE PREDILUTION

- Programmable ratios 1:5, 1:10, 1:20, 1:30, 1:40, 1:50, 1:100 with 3 possible diluents.

CUVETTE ROTOR

- Semi-disposable 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;
- Cuvette washing and drying.

LIGHT SOURCE

- Quarts-iodine lamp 12V-20W.

WAVELENGTH RANGE

- Automatic wavelength selection by 8-position filterwheel (340, 376, 405, 436, 505, 546, 578 and 620 nm);
- Other filter wavelengths optional.

PHOTOMETRIC RANGE

- -0.1 to 3.0 absorbance.

ANALYTICAL MODES (SINGLE, DUAL AND TRIPLE REAGENT SYSTEM)

- 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.

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.

WATER CONSUMPTION

- About 0.7 liter per hour.

STANDARDS

- CE, CB and UL.

INTERNAL COMPUTER

- Pentium processor;
- LCD Monitor;
- Keyboard, mouse;
- MS Windows XP operating system.

DIMENSIONS (BENCHTOP)

- 89 x 58 x 60 cm (W x H excl. Monitor x D);
- No peripherals under lab table.

OPTIONS

BAR CODE READER

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

ISE UNIT

- Na, K and Cl measurement;
- CO2 measurement optional.



selectra junior