INFOSHEET

VITALAB

junior

CLINICAL CHEMISTRY ANALYSER

The new Vitalab Flexor Junior brings the excellent reputation of the Flexor family into every laboratory. From now on, a small clinical chemistry analyser no longer means that you have to sacrifice quality and performance. The Flexor Junior is the ideal combination in terms of proven technology, performance, versatility and price. It allows you to fulfill demanding requirements in small laboratory settings in the most convenient and cost effective way. The Flexor Junior is a truly open system that can operate using all chemistries that have already been adapted for the Vitalab Flexor. Clinical Chemistry, Special Proteins, Drugs of Abuse, Therapeutic Drugs, Electrolytes - you name it, the Vitalab Flexor Junior does the job without compromising quality. Having a throughput in the range of 100 tests per hour, the Vitalab Flexor Junior is the ideal benchtop random access analyser for small clinics, as a back-up system for medium size laboratories or as a special test analyser.

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GIVING YOU PEACE OF MIND

INFOSHEET

SPECIFICATIONS

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.

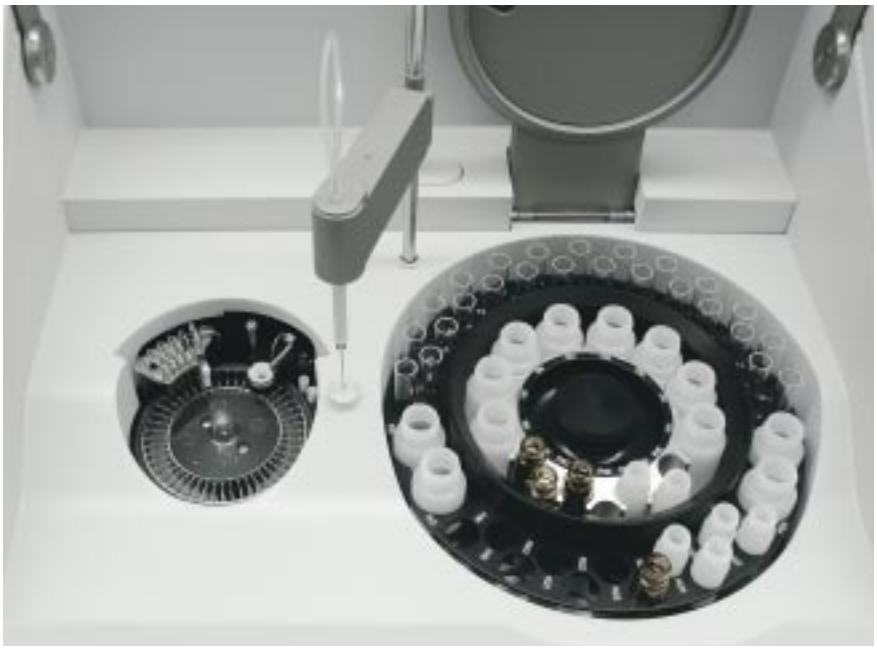
OPTIONS

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;
- CO_2 measurement optional.

flexor junior

Compact without compromises



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