

## Viva-ProE™ System

### Technical Specifications



#### Throughput

- Up to 133 EMIT® tests per hour with two reagents
- Up to 65 EMIT tests per hour with three reagents

#### Reagent system

- EMIT reagent rotor — with 13 positions for 14 mL bottles and 13 positions for 28 mL bottles
- All positions in both rotors can be assigned as R1, R2, and R3
- The reagent rotor compartment is cooled to 8–12°C (absolute up to 25°C ambient temperature)
- Reagent volumes:
  - Reagent 1 volume 110–399 µL
  - Reagent 2 volume 10–289 µL
  - Reagent 3 volume 10–289 µL
- Heated, with level detector and integrated stirrer

#### Sample system—providing continuous loading

- Sample rotor contains:
  - 50 positions for barcoded tubes
  - 12 positions for tubes without barcodes
  - 1 blank and 1 washing position
- Primary tubes (13 or 16 mm OD)
- Positions can contain 5 mL or 10 mL primary tubes or sample cups
- Sample volume 1 – 30 µL per test, programmable in steps of 0.1 µL
- Sample probe with level detection and integrated stirrer

#### Pipetting system

- Flex Fluidics syringes
- Reagent syringe 1000 µL
- Sample syringe 100 µL

#### Cuvette rotor

- Semi-disposable rotor with 48 cuvettes, path length 6.8 mm
- Minimum measuring volume 200 µL
- Measuring temperature 37°C controlled by Peltier elements

#### Washing units

- Cuvette rinsing with 4 x 500 µL of treated water:
  - The unit is equipped with liquid sensors
  - Waste is separated into diluted and concentrated waste
  - Cuvettes are dried before use

#### Light source

Quartz-iodine lamp 12 V – 20 W

#### Wavelength range

- Automatic wavelength selection by an 8-position filterwheel (340, 415, 505, 546, 570, 600, 660, 700 nm)
- Half bandwidth 8 to 12 nm

#### Photometric range

Absorbance -0.1 to 3.0

# Viva-ProE System Specifications

## Ambient temperature

- 15–32°C
- Relative humidity 15–85% (non condensing)

## Calculation modes

- Linear regression
- Modified cubic spline
- Syva® 4 parameter logit log

## Quality control

- Up to 6 controls per parameter (up to 120 controls programmable per rotor configuration)
- Westgard rules
- Levey-Jennings plots

## Power requirements

- Line voltage 110–240 V
- Line frequency 50/60 Hz
- Installation category II (in accordance with the IEC664)

## Computer

- CPU: Intel Celeron M 575 2 GHz
- Touchscreen monitor: 15.6 inch, 1366 x 768 pixels
- Ports: 1 serial, 4 USB, and 1 ethernet port

## Printer

- The application supports one printer
- Most printers supported by WINDOWS can be connected

## Barcode reader

The Viva-ProE™ is equipped with an internal barcode reader to read barcoded sample tubes. An optional hand-held barcode reader is available.

## Languages

English, French, German, Italian, Spanish; others on request

## Dimensions

Width: 125 cm/49.2 in

Depth: 62 cm/24.4 in

Height, excl monitor: 75 cm/29.5 in

Weight: approx. 93 kg/205 lbs (excl. monitor arm and panel PC)



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