



# The Viva-ProE System

Discover improved workflow and workstation efficiency—plus greater ease of use—all in one powerful benchtop system.

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# Compact footprint. Compact strength.

Since pioneering drugs-of-abuse testing (DAT) in 1972, Siemens Healthineers has helped nurture and expand the industry by striving to create cutting edge and sophisticated technologies. It's a pursuit that continues to this day—a culmination of pairing our commitment to innovation with more than 40 years of experience. We work to transform and deliver innovative reagents and drug-testing technologies for an industry whose fast-paced environment continues to evolve and move toward workspace consolidation and streamlined testing and processes.

Powered by EMIT® technology, the Viva-ProE® System uses advanced instrumentation and intuitive integrated software to help mid-volume drug-testing laboratories optimize efficiencies, workflows, and workspaces. With onboard waste and water storage, a touchscreen-driven operating system, and full sample-testing capacity, the Viva-ProE System has been designed to perform at the highest levels of analysis—**all within a small, benchtop footprint.**

# Smart design. Improved efficiency.

## All your drug testing in one benchtop analyzer.

The Viva-ProE System with EMIT technology provides proven performance in a reliable, next-generation, benchtop system. It's big performance without big inconvenience.



### Streamlined workflow

- 1 133 EMIT tests/hour
- 2 50-sample onboard capacity
- 3 12 EMIT dual-reagent methods onboard
- 4 10 open channels
- 5 Results in as little as 10 minutes



### Comprehensive testing platform

- 6 Semicontinuous sample loading and true random-access capability for routine and STAT samples
- 7 Bar-code sample identification
- 8 Liquid, ready-to-use reagents onboard



### Innovative technologies

- 9 Intuitive touchscreen interface
- 10 Onboard waste and water storage
- 11 Semipermanent cuvette rotor with automated onboard washing
- 12 Consolidated drug-testing menu for drugs-of-abuse and validity testing, serum toxicology, and therapeutic and immunosuppressant drug monitoring
- 13 Peltier cooling for reagent stability and performance







## Minimal size. Minimal turnaround time.

The Viva-ProE System is a comprehensive drug-testing platform housed in a self-contained, compact design. With a complete menu of proven EMIT assays to help make confident decisions with minimal turnaround time, it's been precisely engineered to help meet all your drug-testing needs.



### Proven assay technology

Used by the largest labs to the smallest facilities, EMIT technology is the standard in assay performance. And with a full spectrum of EMIT assays, the Viva-ProE System is founded on this historic dependability.



### Onboard touchscreen command center

To further aid in improving laboratory efficiencies, the Viva-ProE System is centered around a touchscreen command center, an intuitive icon system, and easy checklist guides to assist operators in their day-to-day workflow. In addition, an onboard operator's manual provides instructions for reagent inventory management and general troubleshooting.



### Complete sample area

The Viva-ProE System comes with a full onboard positive sample ID (PSID), which provides full sampling power without the full footprint. Fifty sample positions help to enhance true walkaway time while reducing error probability. Unique sample and reagent probes include built-in technologies, including liquid-level sensors, crash protection, and precision monitoring, to improve overall operation and help deliver fast, reliable results.

# Technical specifications

With a full-spectrum offering of features and solutions, the Viva-ProE System is engineered to help produce real-world benefits in a small, easy-to-use design.

## 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 reagents onboard
- The reagent rotor compartment is cooled to 6–14°C (absolute to 25°C ambient temperature)
- Heated reagent probe, with level detection and integrated stirrer
- Peltier cooling for efficient reagent use

## Continuous-loading sample system

- Sample rotor contains:
  - 50 positions for bar-coded tubes
  - 12 positions for non-bar-coded tubes
  - 1 blank and 1 washing position
- Primary tubes (13 mm outer diameter)
- Positions can contain primary tubes or sample cups
- Sample probe with level detection and integrated stirrer

## Cuvette rotor

- Semidisposable rotor with 48 cuvettes
- Minimum measuring volume 220 µL
- Measuring temperature 37°C, controlled by Peltier elements

## Washing units

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

## Photometric range

- Absorbance –0.1 to 3.0

## Analytical modes

- Kinetic measurement with linearity check
- Bichromatic end-point measurement, with or without bichromatic reagent blank and/or sample blank correction
- Two-point measurement
- Automatic rerun with sample reduction

## Calculation modes

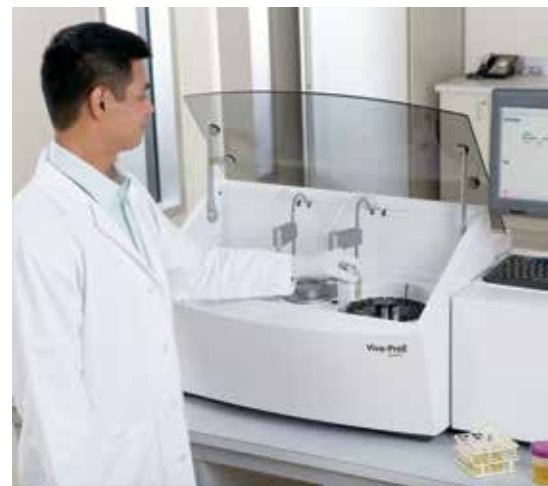
- Linear regression
- Modified cubic spline
- Syva® 4-parameter logit log

## Quality control

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

## Dimensions

- Width: 125 cm/49.2 in.
- Depth: 62 cm/24.4 in.
- Height: 75 cm/29.5 in. (excl. monitor)
- Weight: approx. 93 kg/205 lb (excl. monitor arm and panel PC)



The Viva-ProE System combines proven drug-testing performance in a reliable, benchtop instrument. From easy-to-use technologies to full-spectrum, proven assay libraries, our goal is to bring labs the flexibility they need to meet the challenges of today and tomorrow. At Siemens Healthineers, we're continuously building solutions for a drug-testing environment that is ever-changing.

Contact your  
Siemens Healthineers  
representative to learn more  
about how the Viva-ProE  
System can help meet your  
drug-testing needs.

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all made possible by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 120 years of experience and 18,000 patents globally. Through the dedication of more than 50,000 colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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