



Phadia 250

Made to flex

Versatility to adapt quickly to fluctuating demands to aid in the diagnosis of allergic and autoimmune diseases

The Phadia™ 250 instrument is one of the most versatile instruments available for testing to aid in the diagnosis of allergy and autoimmunity conditions. With the fully automated Phadia 250 instrument, medium-sized labs

can run automated EliA™ and ImmunoCAP™ tests with random access in a variety of workflow settings.

The Phadia 250 instrument, together with the large portfolio of ImmunoCAP and EliA tests, delivers the flexibility you need to adapt quickly and meet your clinicians' evolving demands.

Flexibility

If your laboratory runs tests to aid in the diagnosis of both allergic and autoimmune diseases, the Phadia 250 instrument gives you the flexibility to process any combination of tests together on a single automated platform. Run any tests you need from the broad range of clinically relevant allergens, allergen components, and autoimmunity markers available in the ImmunoCAP and EliA test portfolios.

Continuous random access enables you to process patient samples as soon as needed without disrupting tests that are already underway. Maximize laboratory efficiency and deliver results quickly, also for emergency situations.

- Run ImmunoCAP and EliA assays together on a single platform
- Detect sensitization to up to 550 whole allergens and mixes and 100 allergen components
- Broad autoimmunity test menu covering clinically relevant markers for evaluation of up to 50 common autoimmune disease markers
- Run all needed tests from a single patient sample
- Configure reflex testing according to your needs

Capability

Gaining flexibility doesn't mean losing productivity. Process up to 60 automated EliA and ImmunoCAP tests per hour with your first result available within 100 minutes from the start time. Sample dilutions are executed onboard, and all reagents and tests are also stored onboard.

- Process up to 60 tests per hour
- Connect your Phadia 250 instrument to Laboratory Automation Systems (LAS) tracks from leading providers to streamline and improve workflow*

Phadia™ Prime software powers the Phadia 250 instrument. Phadia Prime software simplifies assay runs, test requests and results. It also provides automated, real-time reagent inventory management while test reagents are held in a temperature-controlled storage area to maintain stability and quality until their expiration date.

Connect to Laboratory Information System (LIS) to ensure fast and secure transfer of sample data and test results. All instruments of the Phadia Laboratory Systems family can be clustered, allowing laboratories to share resources, and thereby ensure that samples are processed as efficiently as possible.

Reliability

The Phadia 250 instrument yields more than just yes or no answers. Like all Phadia Laboratory Systems, it provides quantitative results of clinically relevant antibodies and biomarkers that are traceable to international reference standards.** Calibration curves are shared across multiple runs and are valid for 28 days.

- Connect to Phadia™ LabCommunity to enable laboratory productivity through reduced downtime for the instruments and enhanced quality of service and support
- Join Quality Club and access monthly reports to compare your laboratory's performance with others worldwide

* Check availability of LAS connection with your local Thermo Fisher representative.

** The IgE calibrators are traceable (via an unbroken chain of calibrations) to the 2nd International Reference Preparation (IRP) 75/502, or the equivalent 3rd International Standard 11/234, of Human Serum Immunoglobulin E from World Health Organization (WHO). The IgG calibrators are traceable (via an unbroken chain of calibrations) to the International Reference Preparation (IRP) 67/86 for Human Serum Immunoglobulins A, G, and M from World Health Organization (WHO).



- 1 Stop solution and development solution
- 2 Loading tray
- 3 Cooled storage chamber for 180 barcode-controlled EliA and ImmunoCAP carriers
- 4 Sample diluent and dilution plates for onboard dilution of samples.
- 5 Reagent barcode reader
- 6 Cooled conjugate compartment
- 7 Strip tray for calibrator strips and/or curve control strips.
- 8 Patient and control sample racks

Performance specifications

Automation	Automated dispensing, processing and measuring Full traceability of samples and reagent
Capacity	ImmunoCAP: 60 test results/hour EliA: 60 test results/hour
Patient sample capacity	10- position sample rack: 50 samples 16- position sample rack: 80 samples
Software	Phadia Prime software
Connectivity	Laboratory Information System (LIS) Laboratory Automation Systems (LAS)* Phadia LabCommunity
Sample dilutions	Yes
Reflex testing	Yes
Onboard carrier storage	Max 180 carriers at 2-8°C
Onboard reagent storage	Yes
Calibration curve stability	28 days

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Trusted in thousands of laboratories worldwide, the Phadia 250 instrument is made to flex. With the Phadia 250 instrument, your laboratory can run any combination of ImmunoCAP and EliA tests together on a single platform. Random access enables you to keep your testing program running efficiently even with fluctuating demands.

Operational specifications	
Description	Continuous random access immunoassay systems
Environmental requirements (ambient)	Operational temperature: 18-32°C Air humidity: 10-85 % relative humidity, non-condensing Maximum altitude: 3000 m Allowed temperature change: 2°C / hour
Sound level	≤ 65 dBA at 1 m distance
Dimensions (H x W x D)	1850 x 1270 x 760 mm
Space requirements (including service area)	8 m ²
Weight	220 kg
Electrical requirements	100 V, 120 V, 220 V, 230 V, 240 V ±10%, 50/60 Hz (±2 Hz)
Power consumption	Average 0.55 kVA, Max 1.2 kVA
Processing chamber temperature	37°C
Barcode symbology	Code 39, Code 93, Code 128, Codabar (NW-7), COOP 2 of 5, EAN-8, Industrial 2 of 5, Interleave 2-5
Sample barcodes	Length: ≤ 70 mm Density: ≥ 10 mil
Sample tube dimension for sample racks	10- position sample rack: Height 50-110 mm, Diameter 10-17 mm 16- position sample rack: Height 50-110 mm, Diameter 10-13.0 mm

Find out more at thermofisher.com/phadia250

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