



hycor
Improving Lives

NOVEOS THE NEW STANDARD IN ROUTINE IGE TESTING



Pinpoint True Allergy Triggers with Accurate Results

 **Noveos**



Our Why

At HYCOR, we believe that people with an allergy improve their quality of life when they know exactly what is causing their symptoms. Defining the underlying allergens is key!

Our How

We empower physicians, laboratories, and patients with accurate allergy test results from a new assay technology designed to limit the impact of interference.

Our What

We are solving challenges faced today in laboratories and clinical practices with the NOVEOS[®] System, the first technological breakthrough in routine allergy diagnostics in 20 years.

HYCOR Biomedical developed the NOVEOS System to overcome the challenges laboratories are confronted with, when routinely testing for specific IgE.

NOVEOS is the first breakthrough technology for routine allergy testing in 20 years. It combines proven technologies with innovative methodologies that deliver higher quality results and reduce operational costs through improved efficiency.

NOVEOS was developed using extensive input from labs and clinicians around the world and with the knowledge of the shortcomings of existing technologies within allergy testing.

- Highly automated instrument with a full walk-away capability
- Liquid, ready-to-use reagents allowing much larger lot sizes
- Cutting-edge immunochemistry for high sensitivity and an excellent low-end precision delivers actionable, reliable results for better clinical decisions
- The intuitive user interface allows for ease of training and routine operation
- Using only 4 μ L sample per test whereas competitor systems need 40-50 μ L per test

NOVEOS Innovative Assay Design Demonstrates Superb Sensitivity

The NOVEOS system utilizes microparticles that are approximately 1µm in size, each smaller than the diameter of a human hair. Each test contains more than 35 million high capacity paramagnetic microparticles (Fluo Bead™), providing superior surface capacity for high sensitivity, minimal interference and non-specific binding.

As a result the NOVEOS innovative assay design helps overcome interference and produces accurate allergy test results.



1 µm
Streptavidin
microparticles with
magnetic iron core

- High capacity microparticles are a proven and reliable technology used across the clinical laboratory.
- The patented dual signal detection using fluorescence and chemiluminescence detection provides superior precision and accuracy.

***NOVEOS, DESIGNED WITH
YOUR LAB IN MIND***



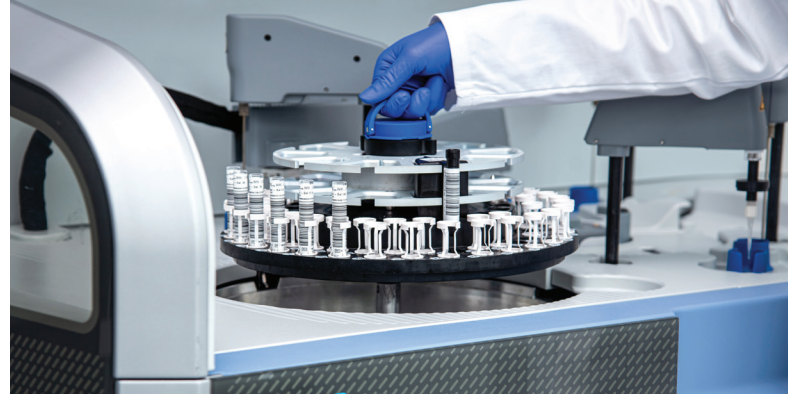
Noveos

Significant Reduction in Sample Size Helps YOUR Lab Focus On Testing, Not Sample Management

NOVEOS not only runs more allergy tests and more follow-up tests per tube, it also reduces additional blood draws. The small sample volume also reduces the need for test prioritization by clinicians and laboratorians.

Testing for more allergens using less sample benefits patients and labs. It may seem small, but for pediatric patients and their families, it's a major upgrade.

THE 4 μ L SAMPLE SIZE IS A BREAKTHROUGH!



How Reliable are YOUR Allergy Results?

Getting the right results matters to make reliable clinical decisions. The NOVEOS innovative assay design helps overcome interference and produces accurate allergy test results.

Biotin interference occurs in many existing assay designs. This results in FALSELY LOW values providing confusing or misleading results to physicians and patients.

Samples containing cross-reactive carbohydrate determinant (CCD) structures tend to produce FALSELY HIGH results, particularly when using cellulose-based technologies.

The assay design of NOVEOS is unaffected by biotin or cellulose-based CCD interference. The small sample volume per test leads to less interference from serum-based substances. The microparticle approach gives a dramatic increase in surface area leading to superb sensitivity.

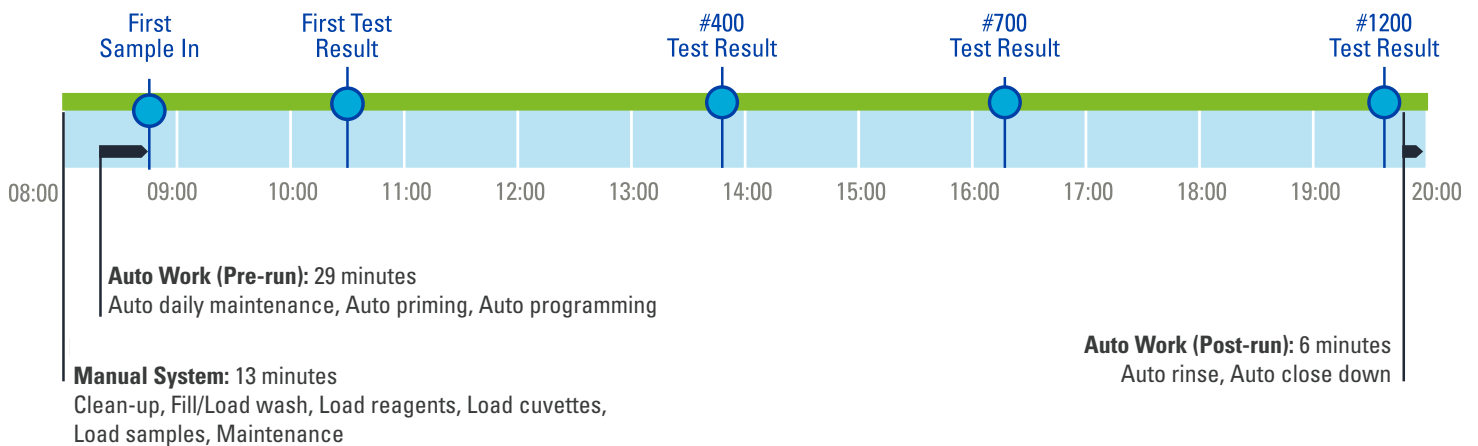
NOVEOS REDUCES THE IMPACT OF INTERFERENCES



NOVEOS Improves YOUR Lab Workflow

With a high level of automation, there's no need for intervention during a run. The instrument offers a true walk-away capability of up to 13 hours when plumbed to in-house systems. By reducing hands-on time and overhead, your lab saves operational costs, enabling technicians to focus on other activities.

Run More Allergy Tests With Less Labor and Increase Profits



Intuitive Software is Easy to Use

The intuitive user interface is icon-driven, has a touchscreen and swipeable navigation which makes it very easy to learn and to use. The software features a graphical representation of the sample and reagent rotors enhancing sample and reagent management. It has a high capacity database and the operator can easily search any result.

- Easy to access information
- Results reported in real time
- High capacity database
- Effortless searches
- Built in quality control
- Easy to train, learn and operate

STATE-OF-THE-ART SOFTWARE IS CLEAR, INTUITIVE AND LOGICAL



NOVEOS Empowers YOUR Lab with High Quality Results, Groundbreaking Efficiency and Less Waste

***THE ALLERGY-FOCUSED
DESIGN BRINGS UNMATCHED
COMPETITIVE ADVANTAGES***

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1

4

5

3

6



1. Sample Rotor

- Capacity for 60 sample positions
- Refrigerated at 4°C to 10°C
- Removable sample tray

2. Reaction Rotor

- 200 cuvette positions for continuous processing
- Heated at 37°C
- Semi-disposable cuvettes

3. Reagent Rotor

- 150 Allergen positions
- Refrigerated at 2°C to 8°C
- Load up to 10,500 tests per run

4. Probes

5. Barcode Readers

- Full sample and reagent traceability through barcodes allows for inventory tracking and automated processing
- The system can read Code 39, Code 128, Interleaved 2 of 5, and Codabar.
- NOVEOS reagents are provided with Code 128 barcodes.

6. Fluo Beads™

- Fluorescent-tagged streptavidin magnetic microparticles

NOVEOS dimensions

	Length	Height	Depth
NOVEOS	1562 mm (61.5 in.)	1295 mm (51 in.)	826 mm (32.5 in.)
Doors open	2032 mm (80 in.)	1295 mm (51 in.)	1461 mm (57.5 in.)
Canopy open	—	1867 mm (73.5 in.)	—

Weight: 400 kg (881 lbs), with empty waste, wash, and DI water containers.

NOTE: Allow an extra 914.4 mm (36 in.) to one side and to the front for servicing.

Request a demo!

Learn more about NOVEOS.

Schedule a virtual demo tour online!

Visit HycorBiomedical.com/demo



The NEW STANDARD in allergy testing, solving shortcomings of current technologies.

- 60 sample positions
- ~100 tests per hour after the first test result
- On-board reagent capacity of 10,500 tests
- Two configurations for your lab optimization:
 - *Up to 1200 tests per run when connected directly to a deionized water source and waste drain*
 - *Up to 700 tests per run in stand-alone configuration*
- Release result per patient or per run
- Accurate results with only 4µL per test
- Less intervention due to the small sample volume requirement
- Superb sensitivity due to microparticle approach
- Minimal biotin or cellulose-based CCD interference
- Flexible in staff allocation
- Improved workflow efficiency
- More allergy tests, saving time and reducing costs

Learn More! Schedule a Demo!

Improving the health, well-being and quality of life of individuals with allergic conditions.

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