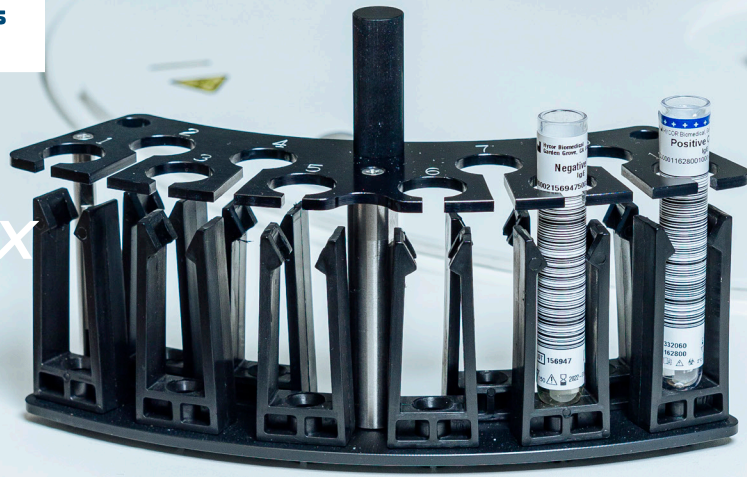




hycor
Improving Lives



NOVEOS *flex*
THE NEW
STANDARD
IN ROUTINE
IGE TESTING
FOR OPTIMAL
FLEXIBILITY

Noveos® flex

Pinpoint True Allergy Triggers with Accurate Results

 **Noveos® flex**



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® Systems, the first technological breakthrough in routine allergy diagnostics in 20 years.

HYCOR Biomedical developed the NOVEOS Systems 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 operational flexibility
- Using only 4 µL sample per test whereas competitor systems need 40-50 µL per test
- 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

NOVEOS Innovative Assay Design Demonstrates Superb Sensitivity

The NOVEOS systems 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.

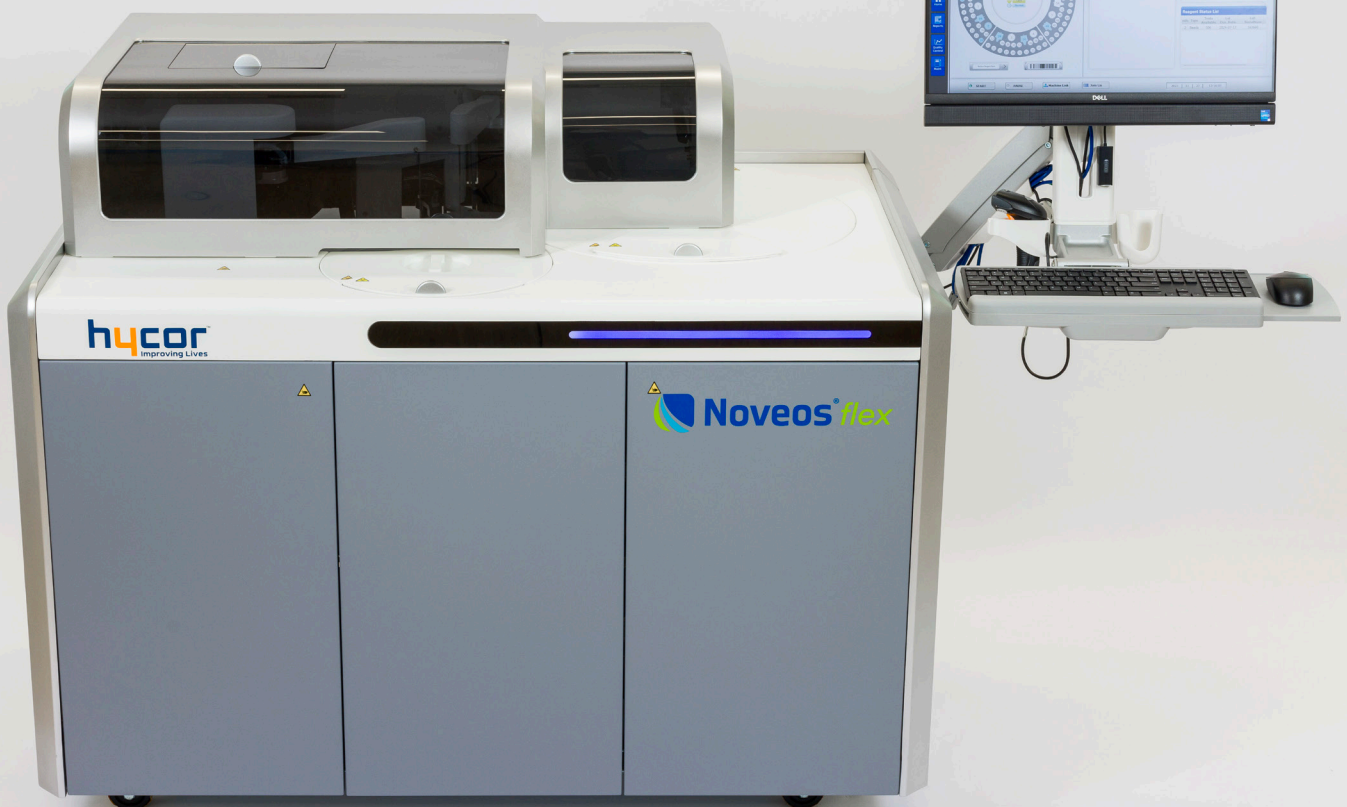
As a result the NOVEOS innovative assay design helps overcome interference and produces accurate allergy test results.



1 µm
Streptavidin
microparticles with
magnetic iron core

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

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



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 flex REDUCES THE IMPACT OF INTERFERENCES



NOVEOS flex Improves YOUR Lab Workflow with continuous loading of reagents* and samples

With continuous access, you can optimize your daily routine with optimal flexibility. Reagents and samples can be introduced onto the Noveos *flex* during a run. When putting a sample on the instrument it only takes 40 minutes to a result.



Reasons to use the NOVEOS flex

Lowest sample volume 4µl

The 4µl sample size is a breakthrough - 1/10th of other methods



1µm Streptavidin microparticle with magnetic iron core

- ***Paramagnetic microparticles (Fluo bead™) with a size of 1µm***
- ***Superb sensitivity and low-end precision***

Interference avoidance

Limit interference from

CCD Biotin and IgG / IgG4

Chemiluminescence provides superior precision and accuracy.

Comprehensive solutions

- ***Standardized extracts***
- ***Comprehensive range of allergen detection reagents***
- ***Component Resolved Diagnostics (CRD)***

***NOVEOS flex Empowers YOUR Lab
with the optimal flexibility of continuous access,
delivers accurate results in 40 minutes, and has
less waste***

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

hycor[™]
Improving Lives



Sample Rotor

- Capacity for 50 sample positions
- Load extra samples during run
- Removable sample racks

Reaction Rotor

- 32 cuvette positions for continuous processing
- Heated at 37°C
- Disposable cuvettes

Reagent Rotor

- 90 allergen positions
- Refrigerated at 2°C to 8°C
- Load up to 6,750 tests per run

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.

Fluo Beads™

- Fluorescent-tagged streptavidin magnetic microparticles

NOVEOS flex dimensions

	Length	Height	Depth
NOVEOS	1375 mm (54.1 in.)	1160 mm (45.7 in.)	825 mm (32.5 in.)
Doors open	1375 mm (54.1 in.)	1160 mm (45.7 in.)	1230 mm (48.4 in.)
Canopy open	—	1600 mm (63 in.)	—

Weight: 320 kg (705.5 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 flex.

Schedule a virtual demo tour online!

Visit HycorBiomedical.com/demo



Noveos[®] flex

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

- 50 sample positions
- Continuous loading of patient samples
- On-board reagent capacity of 6,750 tests
- 300 tests per workshift
- Up to 50,000 tests per year
- 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
- 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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