



HYTEC™ 288 Plus System

“Walkaway” automation with allergy and autoimmune results you can trust



The easy way to assay:

Enter test requests, load reagents and samples, click RUN

Imagine a fully-automated system for allergy and autoimmune testing that *fits on a bench*. Now imagine true “walkaway” operation — just load and go. That’s what we envisioned when we designed the HYTEC™ 288 Plus system. It’s all about combining the simplicity of easy operation with the confidence of accurate, repeatable results.



Just load and go. The HYTEC™ 288 Plus system delivers true “walkaway” automation.

Why “288 Plus”? The HYTEC™ 288 Plus open system can deliver 50 patient samples and 288 test results per run in allergy, and 100 patient samples, 8 analytes, 288 test results per run in autoimmune and user-defined applications. That makes it easier to streamline your workflow while high-precision robotic liquid handling and real-time incubation control minimize pipetting errors and “end-of-run” effects.

The “Plus” comes in with all the extras. The HYTEC™ 288 Plus system has a broad menu of allergens from all major categories and can run both total and specific IgE in one assay. You also get over 25 autoimmune autoantibody assays and user-defined software for tube and microtiter-based assays. And with increased compatibility and ease of use in mind, the HYTEC™ 288 Plus system connects to most LIS systems, in addition to offering both allergy and autoimmune testing in the same menu.

Simplified automation makes it easy to trust your results, time and time again.

Intuitive operation makes it easy to keep staff up to speed Point-and-click Windows®-based software makes the system easy to operate, and only requires basic training. The familiar menu-driven software guides your staff through basic operation and maintenance while the CD-ROM-based operating manual and Quick Reference Guide helps them expand their training as needed.

Perfect for small to medium-sized labs The less time your staff spends operating the system, the more time they can spend on other important tasks. That's where the Smart Select™ software can help. By virtually eliminating the splitting of patient samples for the autoimmune application, you run less risk of losing valuable time. Operators can also multi-task seamlessly, performing various functions while processing tests simultaneously.



A broad menu of allergen tests available, including:

- Trees
- Grasses
- Weeds
- Molds
- Epidermals
- Dust/insect
- Mixes
- Food
- Occupational
- Drugs



Hycor offers a wide range of allergen and autoimmune assays.

AUTOSTAT II autoimmune assays

Compatible automated assays include:

- ANA Screen
- Anti-dsDNA
- ENA-6 Screen
- Anti-SS-A (Ro)
- Anti-SS-B (La)
- Anti-Sm (Smith)
- Anti-Sm/RNP
- Anti-Scl-70
- Anti-Jo-1
- Anti-Gliadin IgG
- Anti-Gliadin IgA
- Anti-Cardiolipin Screen
- Anti-Cardiolipin IgG
- Anti-Cardiolipin IgM
- Anti-b2GPI IgG
- Anti-b2GPI IgA
- Anti-b2GPI IgM
- Anti-Gastric Parietal Cell
- Anti-Glomerular Basement Membrane
- Anti-Thyroglobulin (Tg)
- Anti-Thyroid Peroxidase (TPO)
- Anti-PR3 (c-ANCA)
- Anti-MPO (p-ANCA)
- Rheumatoid Factor IgG
- Rheumatoid Factor IgA
- Rheumatoid Factor IgM
- Anti-Mitochondrial (M2)*
- Anti-tTG*
- Anti-CCP

*This product is not available in the U.S. or Canada.

TECH SPECS

System capacity

Allergy

- 50 patient samples
- 288 tests per run in three racks of 96 microtubes

Autoimmunity and user-defined applications

- 100 patient samples
- 8 analytes and 288 tests per run in three micropates

Sample barcode symbologies

- Code 39
- Interleaved 2 and 5
- Codabar
- Discrete 2 of 5
- Code 128
- Code 39 FULL ASCII
- UPC version A and E (EAN 8 and 13)

Dispensing system

Dispense precision

- 5% at 10 μ L
- 3% at 50 μ L
- 2% at 100 μ L
- Carryover of less than 1 in 10,000
- Liquid level detection and spring-loaded wash head

Temperature control

- 37° C \pm 0.5° C
- Ambient temperature

Washing system

- Wash volumes of 300 to 700 μ L
- Up to 4 wash cycles
- Soak times of 0 to 10 minutes

Optical system

- Bichromatic measurement with auto-subtraction at 620 nm
- Primary wavelength options of 405 nm, 450 nm, and 492 nm
- Photometric range of 0 to 3.5 OD
- Wavelength switching to enhance photometer linearity

System control module

- Stand-alone PC
- CD-RW drive
- Bidirectional interface capability with Laboratory Information System
- Industry-standard 16-bit expansion slots
- External modem

Instrument dimensions (without PC)

- Width: 108 cm (42.5 in)
- Depth: 69 cm (27 in)
- Height: 75 cm (29.5 in)
- Weight: 90 kg (197 lbs.)

Electrical requirements

Out of the box compatibility with U.S., European and Asian power supplies:

- 100-110VAC 50/60 Hz
- 100-220VAC 50/60 Hz
- 200-240VAC 50/60 Hz

Regulations

The HYTEC™ 288 Plus conforms to the basic requirements of electromagnetic compatibility directive (EMC)-89/36/EC, the Low Voltage Directive (LVD)-2006/95/EC and the In Vitro Diagnostics Directive (IVDD)-98/79/EC, as well as UL and CE requirements.

HYCOR

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