

respons[®] 920 **vet**



The **Vet Driven** Laboratory Diagnostic System
Your choice when higher volume testing is required



A benchtop, random-access, clinical chemistry analyzer that puts greater testing power directly in your hands

DiaSys Diagnostic Systems gives you the power to match your unique laboratory testing volume requirements to the best fit clinical chemistry analyzer. The **respons[®]920VET** provides throughput of up to 360 tests per hour and is perfectly suited to handle your medium- to high-volume testing needs while delivering all of the benefits provided by its successful predecessor **respons[®]910VET** system. With 30 chemistry assays, four electrolytes and six calculated tests, the **respons[®]920VET** system gives you the power to choose your tests your way, when you need them and by utilizing technologies similar to those used in reference laboratories. The result: a powerful, easy to use, highly accurate and cost-effective way to perform clinical chemistry diagnostic testing in your veterinary laboratory.



The DiaSys Promise: *Laboratory Diagnostics Done Your Way.*

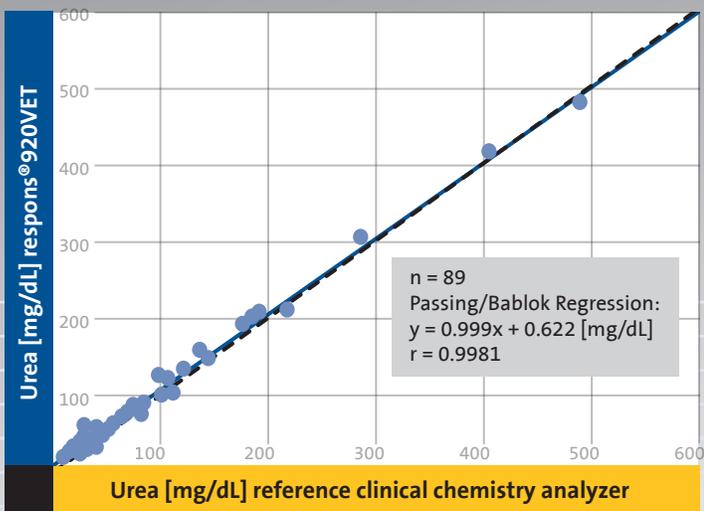


Redefined ease of use

Simplified test ordering, with minimal operator intervention, is at your fingertips. Just add the sample, request the test and go. It's that easy.

The fully automated **respons[®]920VET** makes routine chemistry analysis more efficient by simplifying workflow and effectively utilizing operator time and effort. Ordering single tests, panels or performing re-runs is equally easy.

Our proprietary, ready-to-use, liquid reagent technology allows for rapid reagent addition, when necessary. The **respons[®]920VET** provides an on-board capacity of 30 different tests, with each chemistry container providing up to 200 analyses. This capacity helps to eliminate trips back and forth to the refrigerator to replenish reagents by your operator. Multiple patient samples, sample types and species can be run simultaneously. The system's highly intuitive user interface adds to ease of use with its simplified step-by-step design.



Result accuracy assured

The **respons®920VET** delivers reference laboratory technology to your laboratory in a compact, powerful chemistry system. Time after time, you can count on reference laboratory quality results and a proven correlation to validated methods. Testing accuracy is assured as a result of our fully integrated design of optimized reagents and proprietary analyzer technology. Optimized reagent methodologies minimize the impact of interfering substances such as lipids, bilirubin and hemoglobin on results. An integrated bar code reader further increases result confidence by providing positive sample and reagent identification.



Reliability by design

Our technology is based on long-standing laboratory industry design. Mid- and high-volume testing is no problem for the **respons®920VET** — this workhorse loves to be pushed. You can expect dependable, uninterrupted operation with our fully automated set of integrated system sensors that keep all operations in check. The **respons®920VET** system has a long life because of its built-in capacity to meet volume growth and evolving test menu requirements. As new testing protocols develop, your growing veterinary business will stay on the cutting edge. Need assistance? Just call us! Our highly trained support staff is dedicated to the veterinary industry and available for ongoing consultation.

DiaSys

USA

Driven by innovation

Innovation is a core principle upon which we manage our veterinary business. Our instrument line is expanding with the introduction of greater throughput systems which deliver comprehensive menu options in higher volume settings. Our offerings are growing in the disciplines of hematology, electrolyte testing and practice management systems. It is this commitment to innovation which will keep our customers on the forefront of the latest technological advances in the field of veterinary laboratory diagnostics. All systems are designed to provide choice in how veterinarians configure their laboratory testing.

Configured for cost-effective operation

Veterinary laboratories require both efficiency and cost effectiveness to stay ahead in today's highly competitive business environment. Cost effectiveness is built in to the **respons®920VET** with liquid, ready-to-use, room-temperature-stable reagents that provide one of the lowest costs per test in the industry. Time necessary for operators to handle reagents is minimized as a result of extended on-board reagent stability, on-board test capacity and reagent shelf life. Maintenance on the system is minimal, which adds to the system's efficiency. There is no need for additional analyzers as your volume increases, the **respons®920VET** system will grow with you.



Commitment to Quality: Innovative system design delivers results of the highest quality

DiaSys Diagnostic Systems has been at the leading edge of innovative reagent development for over two decades. We are the world leader in the development of liquid, ready-to-use products with extended room temperature stability. Our growing menu of 30 assays and six calculated tests provide you access to a wide range of testing methodologies within your practice. Reagent applications for the **respons920[®]VET** system are specifically configured to minimize the impact of interfering substances such as lipids, bilirubin and hemoglobin in samples. Extended linearity of our assays nearly eliminates repeat testing due to sample results being out of range. Our fully integrated system—made up of easy-to-use analyzer, proprietary reagents and optimized applications—assures the most cost-effective and highest-quality results, time after time. Quality you can count on. To us, results matter!



Technical specifications

System type	Automated bench top random access clinical chemistry analyzer
Throughput	200 tests/hour with a cycle time of 18 seconds for mono- and 2-component tests 360 tests/hour with ISE
Reagent/sample tray	30 positions for bar coded patient samples including STAT positions, 9 positions for blanks, calibrators, controls or samples without bar code and ISE solutions
Sample types	Serum, plasma, urine, CSF, whole blood
Sample volume	2-70 µL
Reagent pipetting volume	Reagent 1: 50 – 300 µL Reagent 2: 10 – 200 µL
Sensors	Liquid level sensor, clot detection sensor and probe sensor
STAT-analytics	Several sample positions available
Bar code identification	Automated bar code reader for reagent and sample
Measuring principle	Colorimetry (Rate/End Point) / Direct potentiometry: Na, K, Cl, Li (optional)
Sample tubes/cups	Most commonly used primary blood collection tubes and sample cups
Reagent on board capacity	30 different methods in bar coded mono- or twin-containers for adapter-free one-grip loading, refrigerated
Reaction temperature	37 ± 0.2 °C
Photometry	12 wavelengths: 340, 380, 405, 450, 480, 508, 546, 570, 600, 660, 700 and 800 nm (mono and bi-chromatic)
System interface	Analyzer-PC: USB connectivity bi-directional; CPU: Pentium IV or higher
LIS connectivity	Yes
Power source	AC 220 V ± 10 , 50 ± 1 Hz or AC 110 V ± 10 , 60 ± 1 Hz; 600 VA (excluding PC/printer/monitor)
Dimensions	32 in (W) x 28 in (D) x 24 in (H) / 81 cm (W) x 70 cm (D) x 60 cm (H)
Weight	Approximately 243 lbs / 110 kg



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