respons® 910 VET

Proven Science, Performance, Efficiency

The Clear Choice for Your Laboratory!

DiaSys USA

CHOOSING QUALITY.

A Proven System...

DiaSys Diagnostic Systems is a leading specialist in the development and manufacturing of diagnostic system solutions of the highest quality. Our systems have been trusted by customers in more than 100 countries for over 25 years. Consistently generating only the highest quality results in your laboratory enables you to have greater confidence in your overall operations.

Our Veterinary product portfolio comprises 40 clinical chemistry parameters for routine, special and calculated diagnostics on a single platform. The DiaSys respons®910VET Veterinary Chemistry Analyzer is a proven system delivering high levels of performance and efficiency backed by proven science.

...Designed for Any Veterinary Research Setting

Intra and Inter-Assay Precision and Recovery

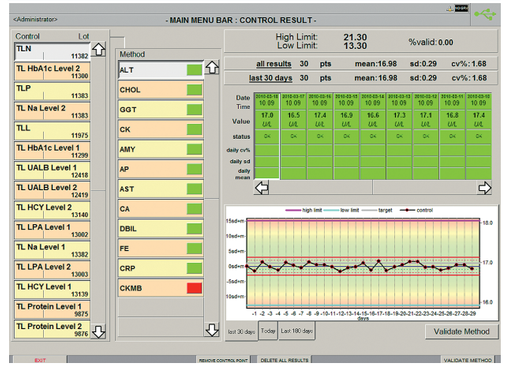
Parameter		Target	Mean	Recovery %	CV% Intra	CV% Inter
AMY (U/L)	N	74.7	75.8	102	1.64	2.63
	P	250	258	103	1.8	2.12
CL (mmol/L)	N	102	103	101	0.55	1.61
	P	116	119	103	1.37	1.59
CHOL (mg/dL)	N	135	140	104	2.13	2.29
	P	204	210	103	1.66	2.86
GGT (U/L)	N	28.3	29.2	103	1.77	1.70
	P	89.5	89.4	99.9	1.92	1.48
K (mmol/L)	N	4.41	4.71	107	1.44	2.47
	P	7.55	7.82	104	1.98	2.26
NA (mmol/L)	N	145	143	98.8	1.04	2.11
	P	150	147	98.3	1.10	1.56
TP (g/dL)	N	5.28	5.18	98	1.22	1.39
	P	6.45	6.5	101	0.94	1.13
UREA (mg/dL)	N	43.9	44.9	102	2.48	3.58
	P	156	170	109	2.11	2.28

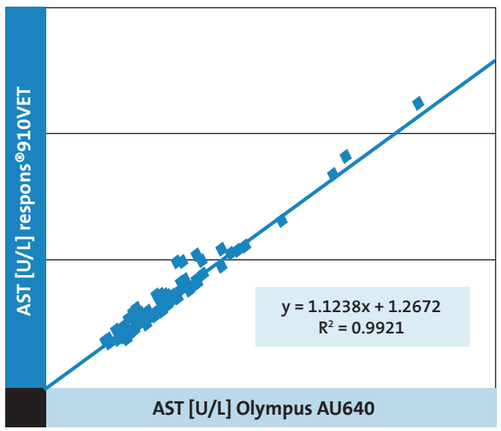
N-TruLab N = Normal control; P-TruLab P = Pathological control n=20

Proven 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 research laboratory diagnostics. All systems are designed to provide choice in how you configure your laboratory testing.

Clear QC Documentation





Proven Science

- Excellent correlation to reference methods
- Broad measuring ranges with low-end sensitivity and extended linearity
- Optimized chemistry applications with analyzer and reagents from one vendor
- Experienced manufacturer backed by over 25 years of reagent development experience
- High reliability and performance demonstrated with over 1000 systems placed worldwide

Proven Performance

- Excellent Intra and Inter-Assay precision across endpoint, enzymatic and electrolyte methodologies
- Smart engineering and design with automated dilution/re-run, automated clot detection and automated minimization of interfering substances
- Minimal sample volume requirements with average of only 4 uL per test
- Flexible, open system architecture, scalable to new and unique assays in lab
- Full customization of testing with 30 specimen and 30 unique chemistries positions on-board

Proven Efficiency

- Simplified ease of use with an intuitive user interface, on-board QC documentation and minimal maintenance requirements
- Liquid, room temperature and ready-to-use reagents with no preparation required
- Economical to operate with low cost per test and low cost of ongoing service agreements
- Positive sample identification with primary tube bar code capability and automated transmission of results directly to your information system
- Maximum study control and result turnaround time by eliminating sample handling and transport

Proven 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 chemistries are available on both DiaSys branded systems as well as many other open chemistry analyzers in the market. Reagent applications for the **respons910®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, the proof is in the results!

Technical Specifications

System type	Bench top clinical chemistry analyzer
Throughput	100-150 test/hour
Reagent/sample tray	30 reagent positions plus 30 sample positions; combined in single tray
Sample types	Serum, plasma, whole blood, CSF, urine
Sample volume	2-30 µL
Reagent pipetting volume	Reagent 1: 120-250 µL Reagent 2: 10-130 µL
Sensors	Liquid level sensor, clot detection sensor and probe sensor
STAT-analytics	Two sample positions for loading of emergency samples at any time
Bar code identification	Automated bar code reader for reagent and sample
Measuring principle	Colorimetry (rate; end point)
Sample tubes/cups	Primary tubes of 5, 7, and 10 mL and sample cups (1.5 and 2.5 mL)
Reagent on board capacity	30 different methods in bar coded containers
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 to PC: USB 2.0 connectivity bi-directional; PC: Pentium IV or higher
PMS/LIS connectivity	Yes
Remote diagnostics	Yes
Power source	AC 110/220 V, 60/50 Hz; 300 VA excluding PC/printer/monitor
Dimensions	24 in (W) x 26 in (D) x 24 in (H) / 60 cm (W) x 67 cm (D) x 60 cm (H)
Weight	Approximately 132 lbs / 60 kg

DiaSys USA

DiaSys Diagnostic Systems, USA, LLC
28287 Beck Road
Building D15
Wixom, MI 48393

Phone: (800) 466.9106
marketingservices@diasysusa.com
www.diasys-us.com