



IDEXX

SediVue Dx™ Urine Sediment Analyzer

Revolutionary urinalysis. Load-and-go efficiency. High-resolution digital images.



SediVue Dx™

Urine Sediment Analyzer

The new standard for urine sediment analysis

- **Automation ensures consistent, accurate results** from only 165 µL (4–5 drops) of urine.
- **Examines the equivalent of 45 high-power fields in approximately 3 minutes** to thoroughly analyze each sample.
- **Leverages cutting-edge convolutional neural network technology** to identify and classify elements within the sediment.
- **Produces high-resolution, high-contrast digital images from fresh sample**, for dependable results that can be shared in real time.
- **Results for the most clinically relevant elements** in canine and feline urine to support preventive, acute, and chronic care.



Dimensions and weight
 Width: 12.6 in (320 mm)
 Depth: 12.6 in (320 mm)
 Height: 13.2 in (336 mm)
 Weight: 32 lb (15 kg)

Results for most clinically relevant elements

Blood Cells

- Red blood cells (RBCs)
- White blood cells (WBCs)

Epithelial cells

- Squamous
- Nonsquamous (e.g., transitional cells, renal tubular cells)

Bacteria

- Rods
- Cocci

Casts

- Hyaline
- Nonhyaline (e.g., cellular casts, granular casts)

Crystals

- Struvite
- Calcium oxalate dihydrate
- Unclassified (all other crystals)

High-resolution, high-contrast images with tools for enhanced viewing



Label cells, casts, and crystals for client education and staff training purposes.



Zoom in and out for a more detailed view of elements.



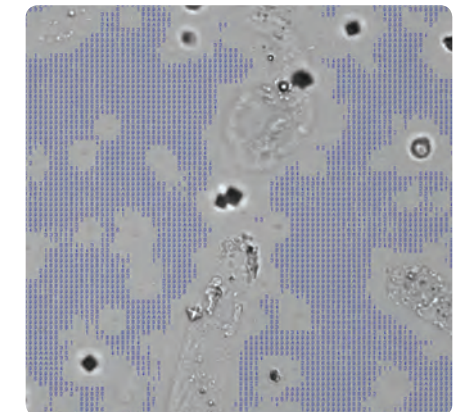
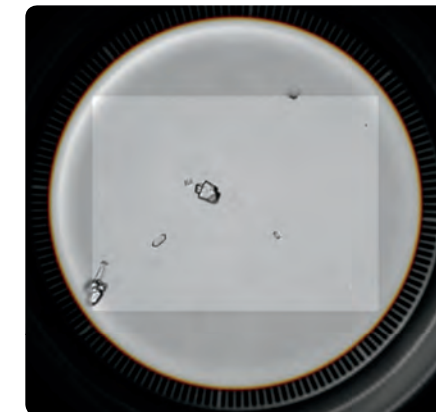
Powered by three cutting-edge technologies to deliver reliable results

Conventional
centrifugation

2,000 RCF*

SediVue Dx™
Urine Sediment
Analyzer

260 RCF*



Precision onboard gravitational centrifuge

- Spins at a significantly lower force than most in-house centrifuges to preserve delicate casts that external centrifuges break apart and to ensure sample integrity.
- In 30 seconds, gently deposits formed elements into a monolayer at the bottom of the cartridge (similar to IDEXX reference laboratory methodology).

Inverted microscope with built-in digital camera

- Examines the equivalent of 45 high-power fields from beneath the sample to maximize visibility of clinically relevant particles.
- Captures 70 high-resolution images per run.
- Autofocuses on each shot for crisp images.
- Adjusts exposure with each image to ensure optimal contrast.

Convolutional neural network

- Uses proprietary image processing algorithm similar to facial recognition software.
- “Trained” by evaluating several thousand examples of each formed element to consistently recognize clinically relevant particles and discern them from debris.
- Almost instantly analyzes, identifies, classifies, and counts individual elements.

*Relative centrifugal force.

Urinalysis reimaged. Work flow streamlined.

Perform a complete urinalysis **in approximately 3 minutes*** with greater accuracy than traditional urinalysis.

~3 minutes



Sediment examination



- Pipette 165 μ L urine.



- Dispense sample.

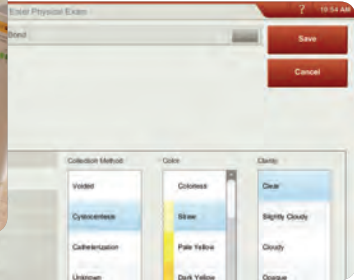


- Press start button and walk away.



Chemical examination

- Dispense urine onto IDEXX UA™ strip.
- Insert strip in IDEXX VetLab® UA™ Analyzer (automatically compensates for dark samples).
- Press start button.



Physical examination



- Conduct as normal.
- Enter results in the IDEXX VetLab® Station.



Read result

View complete integrated results as printout, in your practice management software or in IDEXX VetConnect® PLUS.

Client: Bond, James (3999)		Gender: Female/Spayed	Main Street Animal Hospital		
Patient Name: Bo		Weight: 44.4	14 Cedar Ave.		
Species: Canine		Age: 9 Years	York, MA 06375		
Breed: Mixed		Doctor: Frost	888-555-1234		
Test	Results	Reference Interval	LOW	NORMAL	HIGH
UA Analyzer (September 17, 2015 2:09 pm)					
Collection	Cystocentesis				
Color	pale yellow				
Clarity	Clear				
SG	1.028				
pH	5				
PRO	1+				
GLU	Negative				
KET	Negative				
BLD	Negative				
BIL	Negative				
UBG	Negative				
LEU	Negative				
SediVue Dx (September 17, 2015 2:09 pm)					
WBC	None to rare				
RBC	None to rare				
Epithelial Cells					
Squamous	None to rare				
Non-squamous	None to rare				
Casts					
Hyaline	>1/LPF				
Non-hyaline	None to rare				
Crystals					
Unclassified	None to rare				
CaOx Di	None to rare				
Struvite	1 - 5 /HPF				

The SediVue Dx™ Urine Sediment Analyzer eliminates the need for:

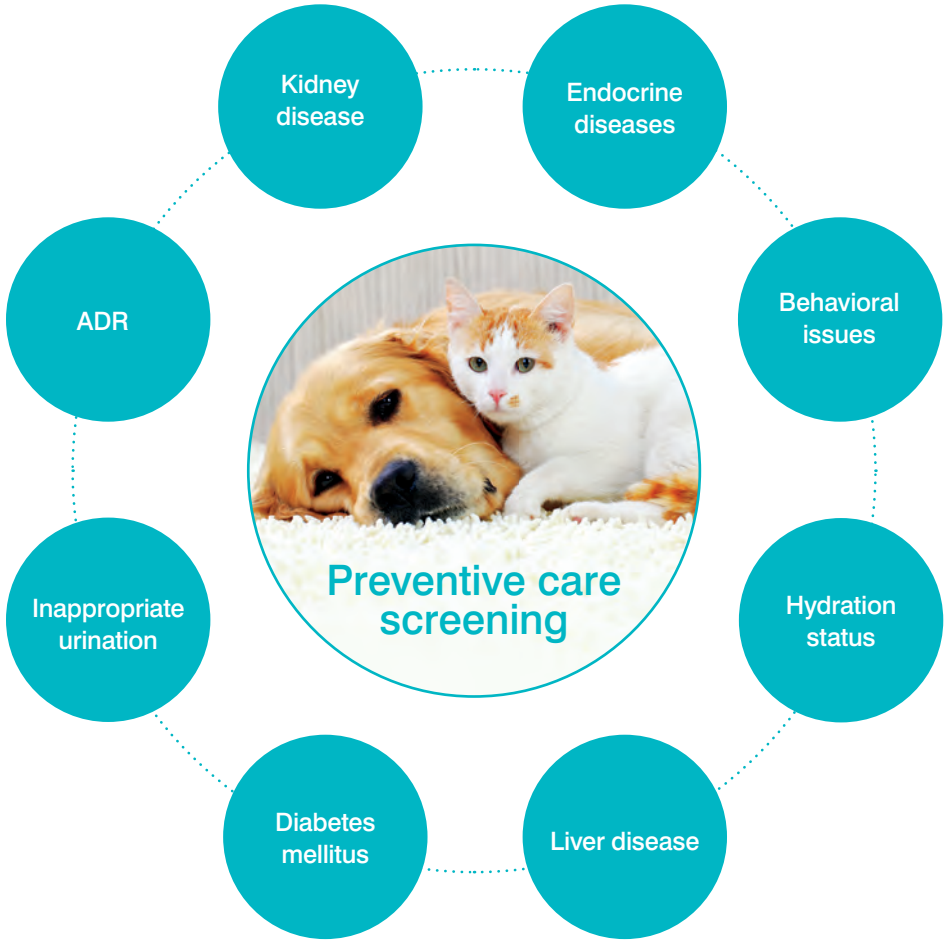
- Centrifugation (5 minutes)
- Slide preparation (3 minutes)
- Reviewing slides (5 minutes)
- Recording results by hand (1 minute)
- Extensive training

*For typical samples.

A valuable diagnostic tool for a wide range of patients

A full chemistry profile including electrolytes, a complete blood count (CBC), and a complete urinalysis (physical examination, chemical examination, and sediment examination) should be part of the minimum database for all preventive care visits.

A complete urinalysis (physical examination, chemical examination, and sediment examination) provides insight that a blood chemistry or CBC alone may miss. That's why a complete urinalysis is a valuable diagnostic for so many patients.



Client: Bond, James (3899)

Patient Name: Bo

Species: Canine

Breed: Mixed

Gender: Female/Spayed

Weight: 44.4

Age: 9 Years

Doctor: Frost



Main Street Animal Hospital

14 Cedar Ave.

York, MA 46375

888-555-1234

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Connected solutions to support your clinical decision making

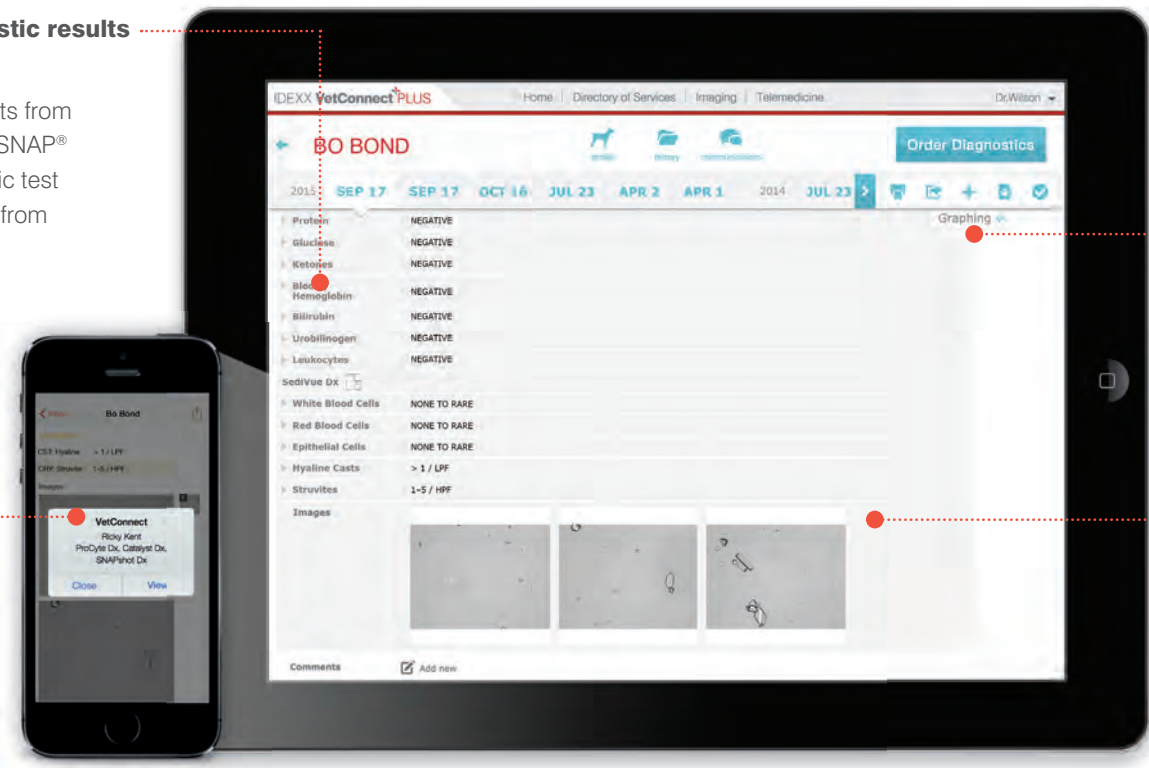
IDEXX VetConnect® PLUS provides quick and convenient access to all your diagnostic information for a timely, informed, and confident assessment of patient health.

View combined historical diagnostic results anywhere, anytime

Easily access digital images and results from IDEXX in-house analyzers and IDEXX SNAP® point-of-care tests as well as diagnostic test results and pathology imaging results from IDEXX Reference Laboratories.

Stay up to the minute on every case for better patient care and more responsive client service

- The personalized IDEXX VetConnect® PLUS mobile app for iPhone® or Android™ devices instantly alerts you when a patient's results are available.
- Quickly and easily access complete diagnostic information anytime, from any location.



Simply share a patient's diagnostic results with other practices and specialists

Easily link patients' results with other practices and/or referring specialists.

Quickly spot abnormalities with easy-to-interpret images, graphs, and side-by-side past and current diagnostic results comparisons



Increase the effectiveness of pet owner conversations and help increase compliance

- Dynamically share personalized client-friendly summaries and results, such as negative vector-borne disease screens and healthy preventive care testing, to help illustrate the value of baseline testing.
- Use simple and clear graphics to increase pet owners' understanding of your recommendations.

Connect our integrated solutions to your practice management system for two-way integration and eliminate human error

- Eliminate double entry of data by sending test request and patient ID directly to your in-house analyzers.
- Ensure medical records are complete and reduce missed charges that can account for up to 17% of diagnostic revenue.¹
- Automatically receive, match, and post results to patient records and VetConnect PLUS.
- Complete tasks faster and spend less time waiting.



Strengthen **the bonds.**[™]



idexx.com/sedivuedx

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United States

Reference

1. Data on file at IDEXX Laboratories, Inc. Westbrook, Maine USA. Average-size practice is defined as 3–4 doctors.

Their average revenue from diagnostics is \$6,000 monthly. 17% of that figure is \$1,020.

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