

The *VetScan*[®] FAMILY

Advanced integrated veterinary
blood diagnostics



Accurate. Reliable. Innovative. Easy.

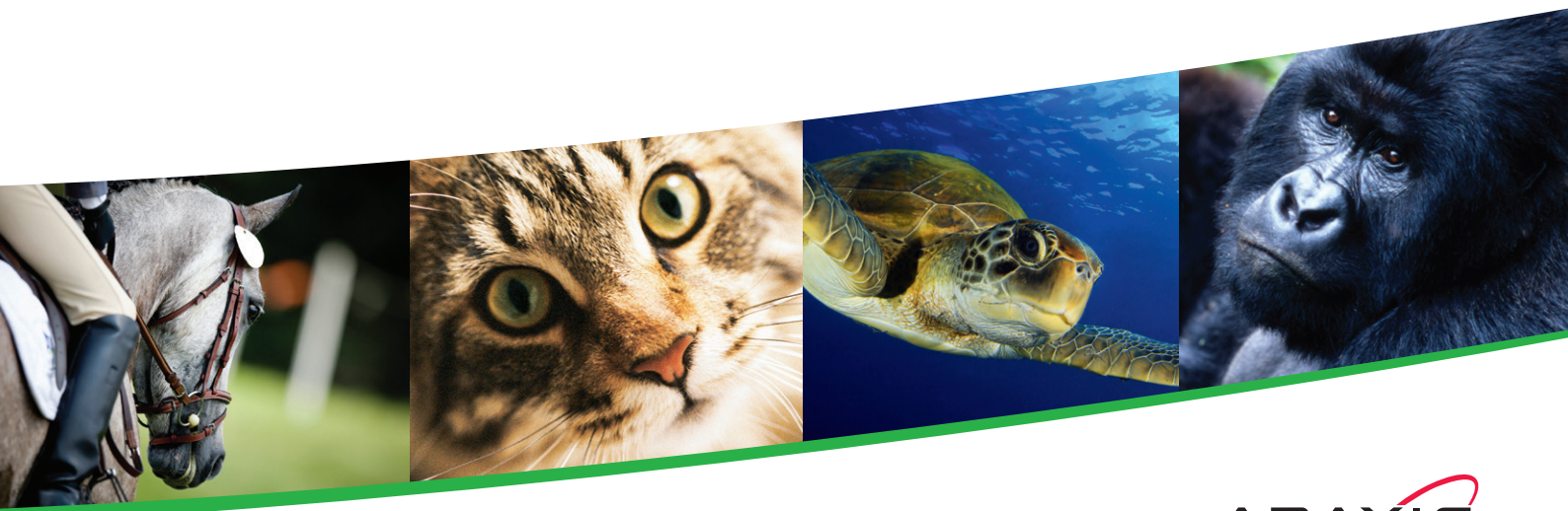


VetScan[®] Products by Abaxis

Comprehensive in-house diagnostic solutions

Since it was founded in 1989, Abaxis has continued to change the way diagnostic testing is performed. With the first products coming to the veterinary market in 1995, Abaxis has consistently grown and developed comprehensive solutions for the veterinary industry.

Today, Abaxis offers a comprehensive family of products that deliver the results a veterinarian needs with the highest quality standards available, on a platform that can easily be used in almost any environment, and with a support network that benefits customers around the world. The VetScan Family by Abaxis brings diagnostics closer to care.



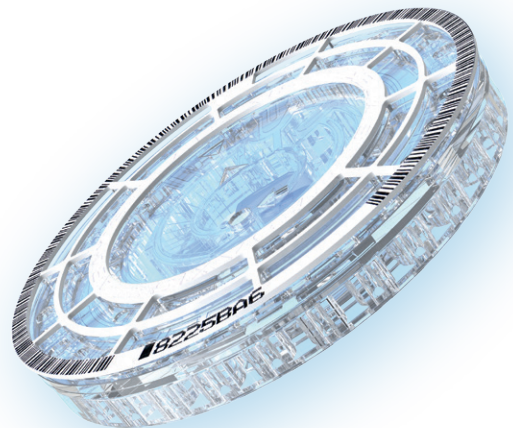
Comprehensive clinical chemistry results for on-site diagnostic testing



The VetScan® VS2 is an innovative, state-of-the-art chemistry & electrolyte analyzer that delivers uncompromising accuracy from just three drops of blood.

The VetScan® VS2 is amazingly simple and intuitive. It features an advanced user interface and precise reference laboratory quality results in 12 minutes from 100 µl of whole blood, serum or plasma. The VS2 is ideal for veterinary practices, clinics and research laboratories.

- Comprehensive clinical chemistry & electrolyte results
- Small sample size: 100 µl whole blood, serum or plasma
- Accuracy: Intelligent Quality Control (iQC®) for reliable results
- Virtually maintenance-free
- No sample preparation needed
- Speed: 12 minutes to results
- Large memory: Stores 5000 patient records
- Small foot print
- Portable system: The 5.3 kg analyzer can be used anywhere and anytime
- USB peripherals (printers, keyboard, barcode scanner)
- Internal printer
- Compatible with most practice management systems



A full range of on-site tests, outside the lab



	VetScan® VS2 Profiles	Analytes
	Canine Wellness Profile # 500-0044	ALB, ALP, ALT, BUN, Ca, CHW, CRE, GLOB*, GLU, PHOS, TBIL, TP
	Comprehensive Diagnostic Profile # 500-0038	ALB, ALP, ALT, AMY, BUN, Ca, CRE, GLOB*, GLU, K ⁺ Na ⁺ , PHOS, TBIL, TP
	Preventive Care Profile Plus # 500-0047	ALB, ALP, ALT, AST, BUN, Ca, Cl ⁻ , CRE, GLOB*, GLU, K ⁺ , Na ⁺ , TBIL, tCO ₂ , TP
	Prep Profile II # 500-0026	ALP, ALT, BUN, CRE, GLU, TP
	Electrolyte Plus # 500-0046	Cl ⁻ K ⁺ , Na ⁺ , tCO ₂
	Critical Care Plus # 500-0042	ALT, BUN, Cl ⁻ , CRE, GLU, K ⁺ , Na ⁺ , tCO ₂
	Kidney Profile Plus # 500-0045	ALB, BUN, Ca, Cl ⁻ , CRE, GLU, K ⁺ , Na ⁺ , PHOS, tCO ₂
	T4/Cholesterol Profile # 500-0037	CHOL, T4
	Phenobarbital Profile # 500-0049	ALB, ALP, ALT, AST, BUN, GGT, PHB, TBIL
	Mammalian Liver Profile # 500-0040	ALB, ALP, ALT, BA, BUN, CHOL, GGT, TBIL
	Equine Profile Plus # 500-0043	ALB, AST, BUN, Ca, CK, CRE, GGT, GLOB*, GLU, K ⁺ , Na ⁺ , TBIL, tCO ₂ , TP
	Avian/Reptilian Profile Plus # 500-0041	ALB, AST, BA, Ca, CK, GLOB*, GLU, K ⁺ , Na ⁺ , PHOS, TP, UA
	Large Animal Profile # 500-0023	ALB, ALP, AST, BUN, Ca, CK, GGT, GLOB*, Mg, PHOS, TP

*Calculated Value

The VetScan® VS2 chemistry analyzer has an extremely sophisticated intelligent Quality Control (iQC®) system and proprietary algorithms that assure quality and dependable results. iQC® is a series of automatic checks that verify the chemistry, optics and electronic functions of the analyzer during each run. iQC® guarantees that in any environment only accurate and precise results are reported.

Three easy steps for results in minutes



1 – Add sample



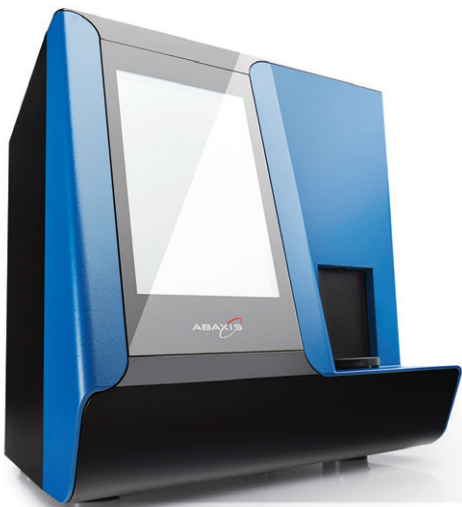
2 – Insert rotor



3 – Read results

From sample to complete panel results in 3 steps and 12 minutes.

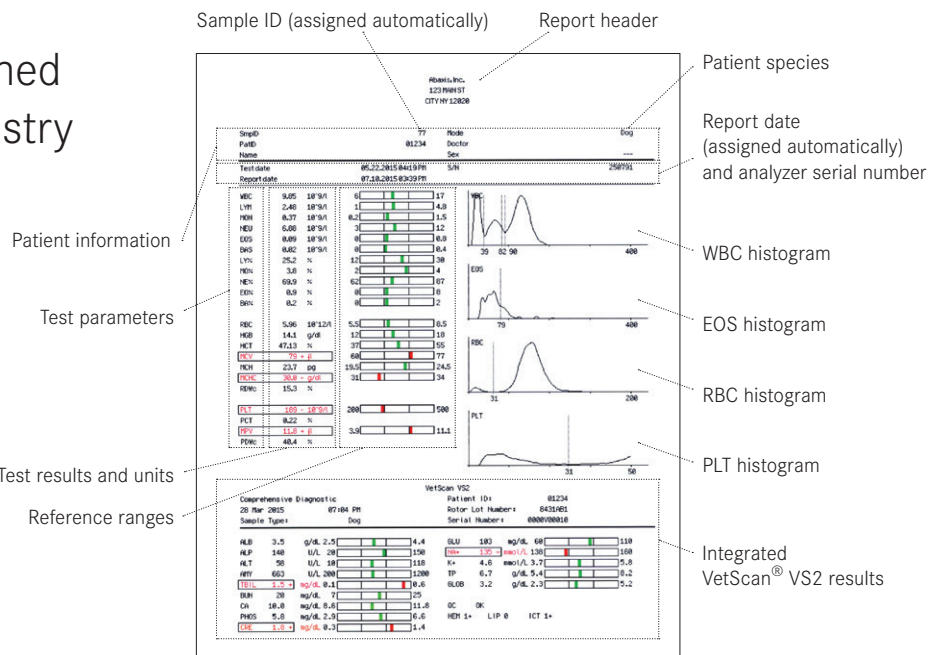
Full CBC with 5-part differential



The VetScan[®] HM5 is a fully automated five-part cell counter offering a comprehensive 24-parameter complete blood count (CBC) with cellular histograms in minutes.

- 24 parameters including direct EOS measurements
- 25 µl of EDTA-preserved whole blood for 3-part mode; 50 µl sample size for 5-part
- < 4 minutes to results
- Stores 5,000 records in database
- Large coloured touchscreen
- Simple integration with the VetScan[®] VS2 chemistry analyzer
- Multilingual user display
- Internal printer and compatible with multiple USB-printers

Comprehensive combined hematology and chemistry report



Three easy steps for results in minutes



1 - Enter information



2 - Insert sample



3 - Read results

Best practices in accuracy, direct EOS measurements



The VetScan® HM5 is a fully automated 5-part cell counter offering a comprehensive 24-parameter Complete Blood Count (CBC) with cellular histograms in minutes. The HM5 allows near-patient analysis of low-volume samples and provides reproducibility you can count on.

CBC Parameters	Species	5-part differential		3-part differential	
			Histogram*		Histogram*
total white blood cell count	WBC	●	●	●	●
lymphocyte count	LYM	●		●	
monocyte count	MON	●		●	
granulocyte count	GRA			●	
neutrophil count	NEU	●			
eosinophil count	EOS	●	●		
basophil count	BAS	●			
lymphocyte percentage	LY%	●		●	
monocyte percentage	MO%	●		●	
granulocyte percentage	GR%			●	
neutrophil percentage	NE%	●			
eosinophil percentage	EO%	●			
basophil percentage	BA%	●			
red blood cell count	RBC	●	●	●	●
hemoglobin	HGB	●		●	
hematocrit	HCT	●		●	
mean corpuscular volume	MCV	●		●	
mean corpuscular hemoglobin	MCH	●		●	
mean corpuscular hemoglobin concentration	MCHC	●		●	
red cell distribution width	RDWc	●		●	
red cell distribution width	RDWs	●		●	
platelet count	PLT	●	●	●	●
platelet hematocrit	PCT	●		●	
mean platelet volume	MPV	●		●	
platelet distribution width	PDWc	●		●	
platelet distribution width	PDWs	●		●	

* additional histogram is provided

** excluding PLT parameters

Advanced digital imaging

The VetScan HDmicroscope with camera and monitor system produce the most vibrant HD quality images and videos.

Superior performance and color

Built upon decades of microscopy and digital imaging experience, the HDmicroscope incorporates proprietary software that produces perfect color reproduction. The innovative technology of the HD camera offers HD 1080p 60fps video preview for output without any lag time or compression

Built in mouse control software for HDMI viewing and recording without a computer

The advanced design of the camera and monitor system features software inside the camera and an external HDMI port allowing users to connect directly to an HD monitor for live/real time viewing. It can also capture and save images to an SD card without being connected to a computer. Additionally, this on board software enables the user to control the camera with the click of a mouse rather than search for buttons on the camera, making the HDmicroscope the ideal choice for teaching, group presentation, or when a computer setup is simply not an option.



Features and benefits



The VetScan HDmicroscope is a digital imaging solution designed to enhance the veterinarian's laboratory experience with their staff and pet owners. The microscope and digital imaging system combines a daylight white LED and enhanced color correction to produce stunning high resolution images and video that can be captured and archived. It's innovative design, automated controls, and laboratory grade optics make it ideal for all clinics, labs, and educational facilities.

LED Illumination

Super bright daylight white LED and enhanced color correction provides stunning high resolution images that can be digitally captured and archived for patient files and consultation

Laboratory Grade Optics

Infinity PLAN Achromat oil objectives boost image quality and sharp focus from edge to edge

Innovative Design

The adjustable tension and travel stop of the co-axial coarse and fine focus controls protects objectives and specimens

Live HD Video

The high-resolution mega pixel color camera provides uncompressed full 1080p 60fps video for seamless live viewing, recording, or streaming

Built-In Software

On screen functionality right from the click of a mouse enhances your teaching or consultation experience

Automated Controls

With the auto-focus and auto-gain features, white balance, color correction, and optimal exposure occur automatically every time you change your magnification

Easy Assembly

Virtually no assembly and ready-to-use right out of the box

Trinocular Design

The trinocular eye tube accommodates the HD imaging system to create a complete fullscreen or splitscreen digital experience

Immediate results for critical care

The VetScan® i-STAT® 1 delivers accurate blood gas, electrolyte, chemistry and hematology results in minutes from 2-3 drops of whole blood in a completely portable, handheld package – making it the ideal solution for critical care situations, hospital operating room monitoring, exotic animals and research needs at the point of care.

Most importantly, the VetScan® i-STAT® 1 provides the additional information needed to monitor chronic disease patients, evaluate pre-anesthetic patients and provide diagnostic specialty testing information for the ill patient in the examination or treatment room.



- Hand-held blood gas, acid base and electrolyte analyzer
- Ideal for emergency care and field use
- Monitoring chronic disease patients
- 95µl whole blood sample
- Results in 2 minutes
- Minimal maintenance











Results to go

The VetScan® i-STAT®1 uses a wide range of disposable, single-use cartridges. They contain all necessary reagents to provide reference lab quality results.

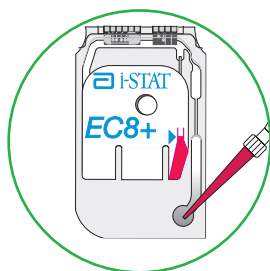
With 95 µl of whole blood the i-STAT®1 provides accurate results in 2 minutes.

VetScan® i-STAT® 1 cartridge test menu



VetScan® i-STAT® 1 Cartridges		Analytes
 CG4+ # 600-9000		pH, pCO ₂ , HCO ₃ , tCO ₂ , Base Excess, pO ₂ , sO ₂ , Lactate
 CG8+ # 600-9001		Hct, Hgb, iCa ⁺⁺ , GLU, Na ⁺ , K ⁺ , pH, pCO ₂ , HCO ₃ , tCO ₂ , Base Excess, pO ₂ , sO ₂
 G # 600-9002		GLU
 Crea # 600-9003		CRE
 E3+ # 600-9004		Hct, Hgb, Na ⁺ , K ⁺ , Cl ⁻
 6+ # 600-9005		Hct, Hgb, BUN, GLU, Cl ⁻ , Na ⁺ , K ⁺
 ACT Celite® # 600-9006		ACT ^{Celite®}
 EC8+ # 600-9007		Hct, Hgb, BUN, GLU, Cl ⁻ , Na ⁺ , K ⁺ , pH, pCO ₂ , HCO ₃ , tCO ₂ , Anion Gap, Base Excess
 CHEM8+ # 600-9008		Hct, Hgb, BUN, CRE, iCa ⁺⁺ , GLU, Cl ⁻ , Na ⁺ , K ⁺ , tCO ₂ , Anion Gap
 cTnl # 600-9009		cTnl

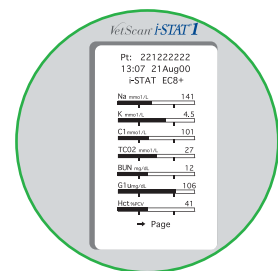
Three easy steps for results in minutes



1 – Fill cartridge to fill line



2 – Insert cartridge



3 – Read results in 2 minutes

Rapid diagnostics with quality, simplicity and connectivity



The VetScan VUE changes the way a clinic approaches lateral flow testing, simplifying the process, increasing the utility, and expanding the capabilities of the VetScan® Rapid Tests product line.



The cPL Rapid Test



VetScan® Rapid Tests



For the semi-quantitative detection of pancreas-specific lipase levels in canine serum or plasma. The VetScan® cPL test works with the VUE to provide in-house results for pancreatic cases.

Single tests for vector-borne and faecal diseases

These Abaxis Rapid Tests can be used independently or together with the VetScan VUE. The VetScan® Rapid Tests are based on the lateral flow immunoassay technique that combines the advantages of immunodetection and chromatography.



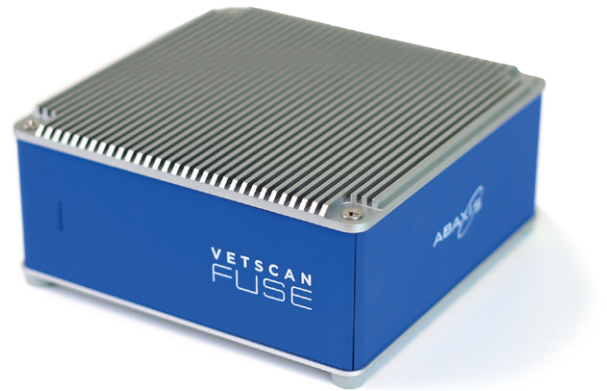
Test type	Antigen	Antigen	Antigen	Antibody
Results available within	10-15 mins	10-15 mins	10-15 mins	8-15 mins
Sensitivity & Specificity	98% & 100% Canine 79.9% & 99.7% Feline (USDA submission data)	98.1% & 99.3% (PI)	96.9% & 96.9% (PI)	100% & 100% (USDA submission data)
Storage temperature	15 - 27°C	15 - 27°C	15 - 27°C	2 - 27°C
Box size	25	10	10	25
Article No.	200-1501	240-0000-10	230-0000-10	510-0003-25
Drops into test	1 drop of sample, 2 drops of buffer	3 drops of buffer / fecal mixture	3 drops of buffer / fecal mixture	1 drop of sample, 3 drops of buffer
Sample type	Blood-anticoagulated	Fecal	Fecal	Blood-anticoagulated
Sample storage	5 days refrigerated, 7 days frozen plasma, serum	1 week refrigerated	2 weeks refrigerated	7 days refrigerated, frozen plasma or serum
Species	Canine/Feline	Canine	Canine	Canine
Transmit	Mosquito	Fecal-Oral	Fecal-Oral	Tick
Infection	Nematode	Protozoa	Virus	Bacteria



Test type	Antibody	FeLV Antigen/FIV Antibody	Antibody
Results available within	8-15 mins	8-15 mins	8-10 mins
Sensitivity & Specificity	93.8% & 96.3% (USDA submission data)	FeLV 96% & 99%/FIV 99% & 97% (USDA submission data)	93% & 96%
Storage temperature	2 - 27°C	2 - 27°C	2 - 27°C
Box size	25	10	25
Article No.	510-0002-25	250-0000-10	510-0004-25
Drops into test	1 drop of sample, 3 drops of buffer	1 drop of sample, 3 drops of buffer	1 drop of sample, 3 drops of buffer
Sample type	Blood-anticoagulated	Blood-anticoagulated	Blood-anticoagulated
Sample storage	7 days refrigerated, frozen plasma or serum	7 days refrigerated, frozen plasma or serum	7 days refrigerated, frozen plasma or serum
Species	Canine	Feline	Canine
Transmit	Tick	Cat to Cat/oronasal	Tick
Infection	Bacteria	Virus	Bacteria

The next generation of practice integration

The FUSE is a complete and easy connectivity solution to comprehensively organize, process, and store your critical patient information. The FUSE system, while connected to one or more Abaxis analyzers, can integrate with a practice management system or operate in stand-alone mode to provide enhanced options for patient tracking.



FUSE Ecosystem



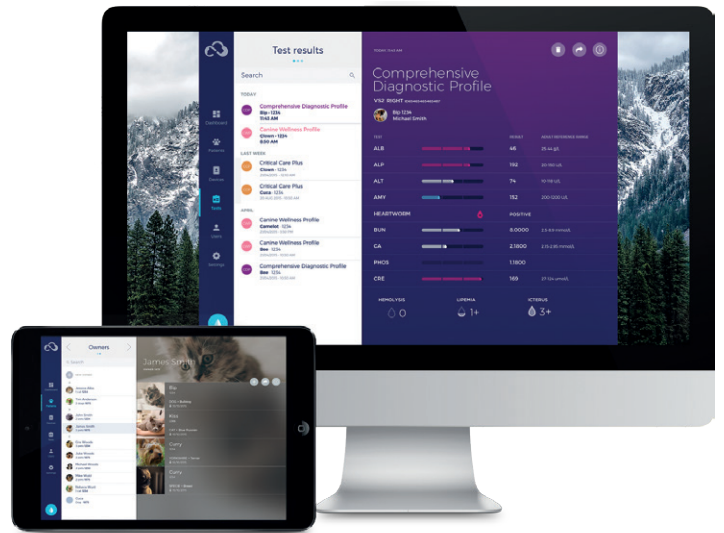
The VetScan FUSE offer the advantages of providing bidirectional communication, enhanced patient history tracking, simplified PMS integration, and secondary back up-option.

Better result presentation – wherever, in seconds

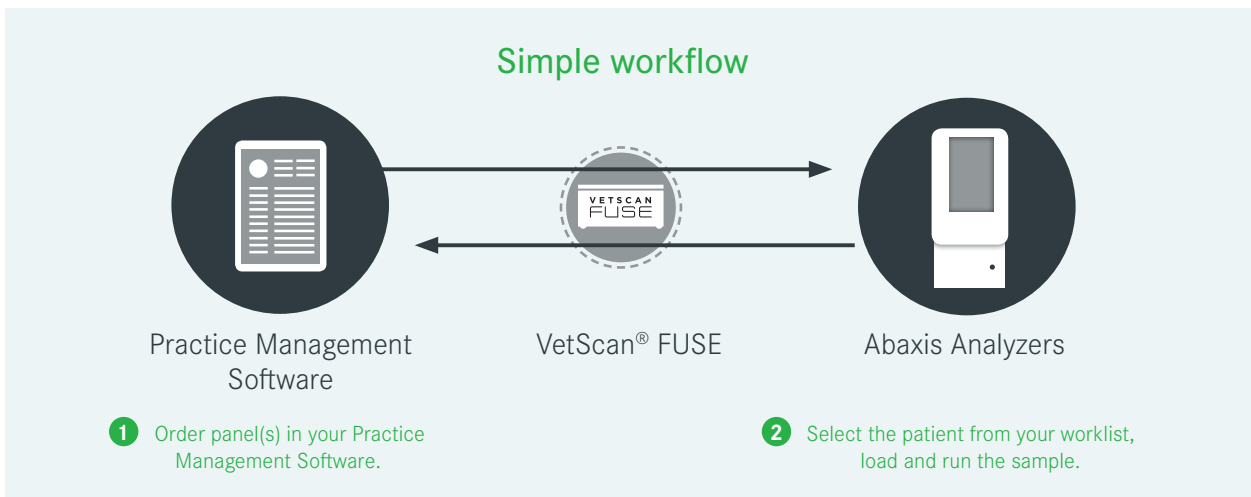
VETSCAN FUSE

Web-based app with beautiful user interface give the veterinarian another way to present results to customer.

The FUSE can function as a patient management system in standalone mode, providing basic patient demographic information, test order management, and overall result trending for tests performed by Abaxis analyzers.



Bidirectional integration and workflow



- Simple workflow means no lost revenue due to missed charges
- Results are automatically received and matched with the order in the Practice Management Software
- Easy integration with Practice Management Software (PMS) using vetXML protocol
- Bi-directional capability to receive orders on Software from PMS



VetScan[®]

ABAXIS Europe GmbH

Bunsenstr. 9-11
64347 Griesheim · Germany
Tel +49 6155 780 21 0
Fax +49 6155 780 21 111
Email abaxis@abaxis.de
www.abaxis.de

ABAXIS UK Ltd.

Chessingham Park
Common Road · Dunnington
York · YO19 5SE
Phone 01904 909 500
Email info@abaxis.co.uk
www.abaxis.co.uk

ABAXIS Asia Limited

3806 Central Plaza
18 Harbour Road
Hong Kong
Phone +852 580 870 40
Email abaxis@abaxis.com.hk
www.abaxis.com.hk

Abaxis Inc.

3240 Whipple Road
Union City, CA 94587 · USA
Phone +1 510 675 65 00
www.abaxis.com

EU/EN_L01-001C