

EQUINE DIAGNOSTICS



zoetis

VETSCAN

The Ideal Lab for Equine Professionals



Official Laboratory Equipment Supplier of the
FEI WORLD EQUESTRIAN GAMES™ TRYON 2018





In the **hospital** or **barn-side**, the VETSCAN® point-of-care laboratory delivers a simple and portable solution for every type of equine practitioner. That's why Zoetis is the lab of choice for equine diagnostics. Equine veterinarians through out the world are taking advantage of the fast and cost-effective throughput the VETSCAN lab provides.

Features	Benefits for the Equine Hospital
Cost-effective	Offer an attractive price for your customers and create an additional profit opportunity for your practice
Fast	Results in under 12 minutes at the patient-side reduces the need for client call-backs
On-Site results	Add value to the client visit and improve compliance with quantitative results immediately available patient-side
Portable	Analyzer mobility allows for more efficient and productive appointments and reduces travel to and from the office
Comprehensive	Offer complete evaluations, including diagnostic testing in areas formerly not considered



The **VETSCAN VS2** is a state-of-the-art chemistry, electrolyte, immunoassay and acid-base analyzer that delivers laboratory quality results¹ in 12 minutes. The VETSCAN VS2 is completely portable and can be used on a truck, in the stable, or in the office. With results specific to the equine patient², you have the ability to perform point-of-care diagnosis and understand the extent, risks, and potential outcomes of conditions such as:

- Myositis
- Renal Disease
- Hepatic Disease
- Acute Gastrointestinal Disease/Diarrhea
- Endocrine Disorders



Preventive Care Profile Plus[†]

ALB ALP ALT AST BUN Ca Cl⁻ CRE GLOB* GLU K⁺ Na⁺ TBIL tCO₂ TP



Comprehensive Diagnostic Profile

ALB ALP ALT AMY BUN Ca CRE GLOB* GLU K⁺ Na⁺ PHOS TBIL TP



Equine Profile Plus

ALB AST BUN Ca CK CRE GLU GGT GLOB* K⁺ Na⁺ TBIL tCO₂ TP



Kidney Profile Plus[†]

ALB BUN Ca Cl⁻ CRE GLU K⁺ Na⁺ PHOS tCO₂



Critical Care Plus

ALT BUN Cl⁻ CRE GLU K⁺ Na⁺ tCO₂



Mammalian Liver Profile

ALB ALP ALT BA BUN CHOL GGT TBIL



Prep Profile II


ALP ALT BUN CRE GLU TP



Electrolyte Plus[†]


Cl⁻ K⁺ Na⁺ tCO₂

*Calculated value †For VS2 only


 **The VETSCAN HM5** is a fully-automated, five-part differential hematology analyzer that delivers a comprehensive 22-parameter complete blood count (CBC) with cellular histograms in 3-4 minutes. The VETSCAN HM5 enables the equine practitioner to evaluate:

- Immune system status
- Platelet count
- Erythrocyte mass and function
- Joint effusions
- Abdominal and thoracic effusions*

* Can be run on the HM5 but are not validated

 **The VETSCAN VSpro** is a specialty analyzer that offers a Fibrinogen test with uncompromised accuracy³ for the busy equine hospital. The VETSCAN VSpro enables practitioners to:

- Monitor inflammation that occurs before overt signs of infection or other parameters change
- Monitor response to therapy with precision, accuracy, and true quantitative values³
- Delivers results for a better understanding of the disease process

 **The i-STAT Alinity v** is a portable, handheld analyzer that delivers lactate, blood gas, electrolyte, chemistry, and hematology results in 2-3 minutes. Important information gathered can help monitor chronic disease patients, evaluate pre-anesthetic patients, and provide diagnostic specialty testing information for ill patients in the exam room or barn side. Advantages for the equine practitioner include:


- Fluid therapy decisions at the point-of-care
- Intraoperative acid-base and blood gas analysis
- Lactate for field colics and pre and post-op colic surgeries
- Diarrhea diagnosis, especially in foals
- Electrolyte monitoring for ruptured bladders, endurance, and eventing
- Acid-base and electrolytes to better diagnose systemic diseases

 **EC8+**


HCT	Hgb*	BUN	GLU	Cl-	Na+	K+	pH	pCO ₂	HCO ₃ *	tCO ₂ *	Anion Gap*	Base Excess*
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 **CG8+**


HCT	Hgb*	iCa	GLU	Na+	K+	pH	pCO ₂	HCO ₃ *	tCO ₂ *	Base Excess*	pO ₂	sO ₂ *
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 **CHEM8+**


HCT	Hgb*	BUN	CRE	iCa	GLU	Cl-	Na+	K+	tCO ₂ *	Anion Gap*
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 **CG4+**

pH	pCO ₂	HCO ₃ *	tCO ₂ *	Base Excess*	pO ₂	sO ₂ *	Lactate
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 **6+**

HCT	Hgb*	BUN	GLU	Cl-	Na+	K+
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 **E3+**

HCT	Hgb*	Cl-	Na+	K+
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 **G**

GLU

 **Crea**

CRE

*Calculated value

The VETSCAN laboratory offers many benefits for a variety of cases for the equine hospital.



Performance Horses

Point-of-care testing is vital for patients under-performing or with acute concerns.

The VETSCAN lab enables the practitioner to quickly evaluate:

- Myositis
- Respiratory disease
- Colic
- General health evaluations during extended use





Ambulatory Diagnostics

The typical ambulatory call for an ill patient involves obtaining the patient history and performing a physical examination. Without quantitative results, the diagnosis and/or prognosis is a best guess estimate.

Without CBC, chemistry, and fibrinogen results at the point-of-care, the equine practitioner must obtain samples, return to the office, run the blood, call the owner, schedule another visit based on the results, and then return to the patient. This may cause:

- Delay in diagnosis and treatment
- Significant cost in time with phone calls and additional travel – poor efficiency
- Reduced compliance for additional testing
- Reduced value from a client perspective

The VETSCAN VS2 and i-STAT Alinity v are capable of providing patient-side diagnostics and enable you to incorporate senior or preventive programs into routine calls.



Neonatal Care

The newborn has its own specific testing requirements, with important baseline values including chemistries and CBC. The VETSCAN lab helps differentiate common early clinical conditions with similar presentations, such as:

- Neonatal septicemia
 - Diarrhea
 - Neonatal isoerythrolysis
 - Failure of passive transfer
 - Ruptured bladder
 - Foal pneumonia
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Infectious Disease

For the hospitalized patient with infectious disease, immediate results and monitoring are vital to providing timely care.

- CBC/Fibrinogen results help monitor inflammation and response to therapy
 - Chemistry results help monitor organ damage
 - Acid-base/electrolytes enable proper fluid therapy
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Pre-purchase Examinations

It is vital that horse owners feel comfortable in the purchase of a new horse. Pre-purchase exams are the safest way for a client to feel confident about their decision. The exam should go beyond the basic physical and lameness evaluation by examining organ health and inflammatory markers.

Point-of-care testing identifies subclinical disease prior to purchase and allows the practitioner to build CBC/Chemistry into the cost of the exam.



Geriatric Medicine

Client expectations and standards of care indicate the need for regular quantitative evaluation of the geriatric patient. Early disease detection may provide for:

- Extended length and quality of life
- Improved veterinarian/client relationship and human/animal bond
- Lower costs of treatment
- Valuable baseline information
- Improved perception of the veterinarian's value

Utilizing the VETSCAN lab helps the equine hospital build a value-added diagnostic program in addition to:

- Physical examination
- Fecal evaluation
- Coggins testing
- Yearly de-worming protocol
- Vaccinations

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¹Zoetis Data on File. Study No. TI-04239
²Zoetis Data on File. Study No. LBL-02473
³Zoetis Data on File. Study No. TI-03300

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