The Ideal Lab for Equine Professionals

Official Laboratory Equipment Supplier of the FEI WORLD EQUESTRIAN GAMES™
In the hospital or barn-side, the Abaxis point-of-care laboratory delivers a simple, portable, and accurate solution for every type of equine practitioner. That’s why Abaxis is the lab of choice for equine diagnostics. Thousands of equine veterinarians are taking advantage of the fast and cost-effective throughput the Abaxis lab provides.

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits for the Equine Hospital</th>
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</thead>
<tbody>
<tr>
<td>Cost-effective</td>
<td>Establish a healthy profit center by decreasing your costs</td>
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<td>Fast</td>
<td>Results in under 12 minutes at the patient-side reduces the need for client call-backs</td>
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<td>On-Site results</td>
<td>Add value to the client visit and improve compliance with quantitative results immediately available patient-side</td>
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<td>Portable</td>
<td>Analyzer mobility allows for more efficient and productive appointments and reduces travel to and from the office</td>
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<td>Comprehensive</td>
<td>Offer complete evaluations, including diagnostic testing, in areas formerly not considered</td>
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The VetScan VS2 is a state-of-the-art chemistry, electrolyte, immunoassay and blood gas analyzer that delivers laboratory quality results in 12 minutes. The VetScan VS2 is completely portable and can be used for use on the truck, in the stable, or in the office. With results specific to the equine patient, 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
**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 accurately evaluate:

- Immune system status
- Platelet count
- Erythrocyte mass and function

- Joint effusions
- Abdominal and thoracic effusions

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**The VetScan VSpro** is a state-of-the-art specialty analyzer that offers a Fibrinogen test with uncompromised accuracy for the busy equine hospital. With a simple and intuitive user interface, the VetScan VSpro provides significant diagnostic information ahead of other clinical signs and laboratory values. The VSpro:

- Helps monitor inflammation that occurs before overt signs of infection or other parameters change
- Provides true quantitative values with precision and accuracy to monitor response to therapy for all inflammatory and infectious diseases
- Delivers highly sensitive results for a better understanding of the disease process

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**The Abaxis i-STAT Alinity 1** is a portable, handheld analyzer that delivers accurate lactate, blood gases, electrolytes, chemistries 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 patient in the exam room or barn side. Its 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 septicemia and colic in foals

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**Analytes**

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<thead>
<tr>
<th>pH</th>
<th>pCO₂</th>
<th>tCO₂</th>
<th>HCO₃</th>
<th>Anion Gap</th>
<th>Base Excess</th>
<th>pO₂</th>
<th>sO₂</th>
<th>Na⁺</th>
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<tbody>
<tr>
<td>K⁺</td>
<td>Cl⁻</td>
<td>Lactate</td>
<td>GLU</td>
<td>BUN</td>
<td>iCa</td>
<td>Hgb</td>
<td>HCT</td>
<td>CRE</td>
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The Abaxis 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 Abaxis 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 a 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 causes:
• Delay in diagnosis and treatment
• Reduced compliance for additional testing
• Significant cost in time with phone calls and additional travel – poor efficiency
• Reduced value from a client perspective

The VetScan VS2 and i-STAT 1 are capable of providing patient-side diagnostics and the ability to incorporate senior or wellness programs into routine calls.

Neonatal Care
The newborn has its own specific testing requirements. Important baseline values include: chemistries and CBC. The Abaxis lab helps differentiate common early clinical conditions with similar presentations, such as:
• Neonatal septicemia
• Neonatal isoerythrolysis
• Ruptured bladder
• Diarrhea
• Failure of passive transfer
• Foal pneumonia

Infectious Disease
For the hospitalized patient with infectious disease, immediate results and monitoring ability are vital to providing timely care.
• CBC/Fibrinogen results help monitor inflammation and response to therapy
• Chemistry results help monitor organ function
• Acid-base/electrolytes enable proper fluid therapy

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 function 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 often provides for:
• Extended length and quality of life
• Lower costs of treatment
• Improved perception of the veterinarian’s value
• Improved veterinarian/client and human/animal bond
• Valuable baseline information

Utilizing the Abaxis lab helps the equine hospital build a value-added diagnostic program in addition to:
• Physical examination
• Coggins testing
• Vaccinations
• Fecal evaluation
• Yearly de-worming protocol