

# Comprehensive Diagnostic Profile



## Analytes

ALB, ALP, ALT, AMY, BUN, CA, CRE, GLOB, GLU, K<sup>+</sup>, NA<sup>+</sup>, PHOS, TBIL and TP

## Ideal For

Providing complete chemistry and electrolyte analysis for pre-anesthetic, general health, ill patient, geriatric and wellness testing

## Used For

- Establishing new patient baselines
- Wellness exams for young, adult and geriatric patients
- Health screening prior to administering anesthesia or sedation
- Ill patients and critical care cases
- Recheck examination for administering medications or managing chronic disease

## Rotor Utilization

### Benefits of In-Office Chemistry Testing

In-office testing enables the veterinarian to evaluate a pet's general health and become aware of any health problems at the point of care. The combination of immediate results and the complete chemistry information provided by the panel allows for:

### Disease Diagnosis

The tests included on the Comprehensive Diagnostic Profile provide the clinician with the chemistry and electrolyte information necessary to obtain:

- Immediate diagnosis
- Narrowed diagnostic rule-out list
- Information necessary to determine the need for additional tests or procedures

### Pre-Anesthetic Evaluation

As part of the pre-anesthetic evaluation, the Comprehensive Diagnostic Profile provides a full range of chemistry tests plus evaluation of the electrolytes needed to evaluate fluid therapy needs— tests vital to best practices in anesthetic protocols. The ability to perform the tests the day of the procedure provides:

- Evaluation of the patient in real time, not days or weeks prior to the procedure
- Lower client and hospital costs
  - Reducing client and patient time in the hospital prior to the procedure
  - No need for additional patient visits to obtain blood prior to the day of surgery

## Recheck Evaluations for Chronic Disease

A 14-chemistry-test recheck evaluation is not only realistic and economically feasible; it is usually a medical necessity, as evaluation of a limited number of tests provides incomplete information often leading to a missed diagnosis or a less than desired outcome. For example, regular evaluation of the patient BUN and creatinine in the chronic renal patient may seem medically and economically reasonable. However, renal patients often exhibit some or all of the following during the course of disease:

- Protein loss, especially albumin, from the kidney
- Inflammation or infection of the urinary system
- Elevated phosphorus levels
- Secondary parathyroid disease leading to calcium and phosphorus abnormalities
- Electrolyte abnormalities, especially K<sup>+</sup>
- Reduced GFR indicated by elevated amylase levels (among other values)

From these points alone, it is important to test not only BUN and creatinine, but also total protein, ALB, GLOB, PHOS, CA, NA<sup>+</sup>, K<sup>+</sup> and AMY. Additionally, these patients often exhibit other conditions where evaluation of hepatic values and glucose, for example, are necessary. A tiered pricing structure for this panel allows for excellent client compliance.

## Preventive Care Testing

The complete testing offered by the Comprehensive Diagnostic Profile is perfect for the wellness patient during a routine visit. Immediate results allows for:

- Ability to discuss the results with the client during the visit, providing increased value
- Additional diagnostics with the patient already in the exam room and the owner present
- Improved compliance and increased referrals
- Increased customer satisfaction
- Best diagnostics based on a complete profile

## The Value for Each of These Uses Is Enhanced By Immediate Results

- Provides timely information regardless of use
- Provides ability to discuss results with owners
- Reduces number of callbacks and phone tag
- Increases compliance
- Improves value
- Reduces client stress
- Increase additional testing and diagnostics through enhanced information, value and client understanding

## Small Sample Volume

- Reduced stress on the patient
- Capability of running multiple tests per sample
- Improved sample quality

## Time

- Time is saved for the owner and veterinarian with in-office testing
- Reduce phone time to contact clients
- Reduce unnecessary visits
- Increase necessary visits based on improved medicine, compliance and client communication