

When Dr. Valentine does a panel of 'bloodwork' on your pet, these are just some of the results we get back within a day! Then, the complicated medical analysis begins...

### **Test Value - Result - Lab Reference/Normal Range**

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Here is a sample list of possible items that will be tested in a routine lab work panel for a senior pet.

#### **CHEMISTRY**

##### **(Blood - Biochemical Items – electrolytes, organ enzymes and byproducts)**

AlkPhos  
ALT  
AST  
CK  
GGT  
Amylase  
Lipase  
Albumin  
Total Protein  
Globulin  
TotBillirub  
DirBillirub  
BUN  
Creatinine  
Cholester  
Glucose  
Calcium  
Phosphor  
tcO<sub>2</sub>-bicar  
chloride  
potassium  
sodium  
A/G ratio  
B/C ratio  
Ind bilirub  
NA/K ratio  
Anion Gap  
Triglyceride  
Hemolysis Index  
Lipemia Index  
Osmolality,Calc  
Corrected Ca  
Magnesium

##### **(Blood - Thyroid)**

T 4 (RIA)

FreeT4(ng/dL) by equilibrium dialysis  
FreeT4(pmo//L)  
TSH

**COMPLETE BLOOD COUNT (CBC)**

(Blood – Hematologic Items, blood cells, sizes and shapes, any foreign parasites or damage)

WBC  
RBC  
HGB  
HCT (PCV)  
MCV  
MCH  
MCHC  
Nrbc  
Neutrophils  
Lymphocytes  
Monocytes  
Eosinophils  
Basophils  
Platelets  
Reticulocyte

**(Urine - Urinalysis)**

Collection Method (free catch, cysto, catether, etc.)  
Collection time (what time of the day?)

Volume  
Color  
Clarity  
USG (1.00-1.60)  
Glucose  
Bilirubin  
Ketones  
Blood  
pH (5.0-8.0)  
Protein  
WBC  
RBC  
Bacteria  
Epi Cells  
Mucous  
Casts  
Crystals  
Urobilinogen

**Urine Culture/Sensitivity Findings**

DATE

Growth Time

Bacteria: species and number of colonies

Sensitivity or resistance level to different standard antibiotics