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Avian/Exotic Panel

Avian/Nonmammalian 10-Chem Screen 907

Updated: 1/22/2018

Glucose
Calcium
Total Protein
Creatine Kinase (CK)
Cholesterol

Uric Acid
Bile Acids
AST (Aspartate Transaminase)
Phosphorus
Ca/Phos Ratio

Specimen Required: 1 M-GRNTT
Minimum: 100 uL heparinized plasma.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Avian/Nonmammalian 13-Chem Panel 3004

Updated: 1/22/2018

Glucose
Calcium
Phosphorus
Ca/Phos Ratio
Total Protein
Albumin
Globulin

A/G Ratio
AST (Aspartate Transaminase)
Creatine Kinase (CK)
Cholesterol
Uric Acid
Bile Acids

Specimen Required: 1 M-GRNTT
Minimum: 100 uL heparinized plasma.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Avian/Nonmammalian 13-Chem w/CBC 3005

Updated: 1/22/2018

CBC
Glucose
Calcium
Phosphorus
Ca/Phos Ratio
Total Protein
Albumin

Globulin
A/G Ratio
AST (Aspartate Transaminase)
Cholesterol
Creatine Kinase (CK)
Uric Acid
Bile Acids

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 100 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA
whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear.

Avian/Nonmammalian 13-Chem w/CBC & PEP 3006

Updated: 1/22/2018

CBC
Protein Electrophoresis
Glucose
Calcium
Phosphorus
Ca/Phos Ratio
Total Protein
Albumin

Globulin
A/G Ratio
AST (Aspartate Transaminase)
Cholesterol
Creatine Kinase (CK)
Uric Acid
Bile Acids

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 150 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA
whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear. Protein Electrophoresis run Mondays and Thursdays.

Avian/Nonmammalian 18-Chem Panel 3008

Updated: 1/22/2018

Glucose
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Calcium
Phosphorus
Ca/Phos Ratio
Total Protein

Albumin
Globulin
A/G Ratio
GGT (Gamma-glutamyltransferase)
AST (Aspartate Transaminase)
Cholesterol
Creatine Kinase (CK)
Uric Acid
Bile Acids

Specimen Required: 1 M-GRNTT
Minimum: 150 uL heparinized plasma.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Avian/Exotic Panel

Avian/Nonmammalian 18-Chem Panel w/CBC 3009

Updated: 1/22/2018

| | |
|------------------------|---------------------------------|
| CBC | Albumin |
| Glucose | Globulin |
| Sodium | A/G Ratio |
| Potassium | GGT (Gamma-glutamyltransferase) |
| Sodium/Potassium Ratio | AST (Aspartate Transaminase) |
| Chloride | Cholesterol |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Uric Acid |
| Ca/Phos Ratio | Bile Acids |
| Total Protein | |

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 150 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear.

Avian/Nonmammalian 18-Chem w/CBC & PEP 3012

Updated: 1/22/2018

| | |
|-------------------------|---------------------------------|
| CBC | Total Protein |
| Protein Electrophoresis | Albumin |
| Glucose | Globulin |
| Sodium | A/G Ratio |
| Potassium | GGT (Gamma-glutamyltransferase) |
| Sodium/Potassium Ratio | AST (Aspartate Transaminase) |
| Chloride | Cholesterol |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Uric Acid |
| Ca/Phos Ratio | Bile Acids |

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 200 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear. Protein Electrophoresis run Mondays and Thursdays.

Avian/Nonmammalian 21-Chem Panel 3013

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| Glucose | Globulin |
| Blood Urea Nitrogen (BUN) | A/G Ratio |
| Sodium | GGT (Gamma-glutamyltransferase) |
| Potassium | AST (Aspartate Transaminase) |
| Sodium/Potassium Ratio | Cholesterol |
| Chloride | Triglycerides |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Uric Acid |
| Ca/Phos Ratio | Amylase |
| Total Protein | Bile Acids |
| Albumin | |

Specimen Required: 1 M-GRNTT
Minimum: 150 uL heparinized plasma.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Avian/Nonmammalian 21-Chem Panel w/CBC 3015

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| CBC | Albumin |
| Glucose | Globulin |
| Blood Urea Nitrogen (BUN) | A/G Ratio |
| Sodium | GGT (Gamma-glutamyltransferase) |
| Potassium | AST (Aspartate Transaminase) |
| Sodium/Potassium Ratio | Cholesterol |
| Chloride | Triglycerides |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Uric Acid |
| Ca/Phos Ratio | Amylase |
| Total Protein | Bile Acids |

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 150 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear.

Avian/Exotic Panel

Avian/Nonmammalian 21-Chem w/CBC & PEP 3016

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| CBC | Albumin |
| Protein Electrophoresis | Globulin |
| Glucose | A/G Ratio |
| Blood Urea Nitrogen (BUN) | GGT (Gamma-glutamyltransferase) |
| Sodium | AST (Aspartate Transaminase) |
| Potassium | Cholesterol |
| Sodium/Potassium Ratio | Triglycerides |
| Chloride | Creatine Kinase (CK) |
| Calcium | Uric Acid |
| Phosphorus | Amylase |
| Ca/Phos Ratio | Bile Acids |
| Total Protein | |

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 200 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear. Protein Electrophoresis run Mondays and Thursdays.

Avian/Nonmammalian Giardia/Crypto 1530

Updated: 2/2/2018

Giardia/Cryptosporidium (IFA) Modified Acid Fast Stain

Specimen Required: Fresh feces 3-5 grams

Day(s) Test Set Up: Monday through Saturday

Reported Time: 24 hours

Comments: Screening for giardia and cryptosporidium in avian/non-mammalian. To rule out giardia and cryptosporidia in other species, order Giardia/Cryptosporidia IFA (#240).

Avian/Nonmammalian Liver Screen 3003

Updated: 1/22/2018

| | |
|------------------------------|----------------------|
| Albumin | Creatine Kinase (CK) |
| AST (Aspartate Transaminase) | Bile Acids |
| Cholesterol | |

Specimen Required: 1 M-GRNTT
Minimum: 50 uL heparinized plasma.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Avian/Nonmammalian Panel 7

Updated: 1/22/2018

| | |
|------------------------------|---------------|
| CBC | Uric Acid |
| Glucose | Cholesterol |
| Calcium | Bile Acids |
| Total Protein | Phosphorus |
| AST (Aspartate Transaminase) | Ca/Phos Ratio |
| Creatine Kinase (CK) | |

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 100 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear.

Avian/Nonmammalian Panel, Follow-up 82

Updated: 1/22/2018

| | |
|------------------------------|----------------------|
| CBC | Cholesterol |
| Glucose | Bile Acids |
| Calcium | Creatine Kinase (CK) |
| Total Protein | Phosphorus |
| AST (Aspartate Transaminase) | Ca/Phos Ratio |
| Uric Acid | |

Specimen Required: Chemistry:
1 M-GRNTT
Minimum: 100 uL heparinized plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 100 uL heparinized or EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price. If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear.

Avian/Exotic Panel

Avian/Nonmammalian Renal Panel 3002

Updated: 1/22/2018

Blood Urea Nitrogen (BUN)
Calcium
Phosphorus
Ca/Phos Ratio
Total Protein

Albumin
Globulin
A/G Ratio
Uric Acid

Specimen Required: 1 M-GRNTT
Minimum: 50 uL heparinized plasma.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Avian/Nonmammalian w/ Aerobic Culture 7007

Updated: 1/22/2018

CBC
Glucose
Calcium
Total Protein
AST (Aspartate Transaminase)
Creatine Kinase (CK)

Uric Acid
Cholesterol
Bile Acids
Phosphorus
Ca/Phos Ratio
Culture ID and Sensitivity, Routine

Specimen Required: 1 M-GRNTT, minimum 200 uL
heparinized plasma
Two air dried slides
1 M-LTT, minimum 100 uL EDTA whole
blood
Culture swab

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: 36 - 60 hours

Ferret/Small Mammal 12-Chem Panel 956

Updated: 1/22/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Calcium
Phosphorus
Ca/Phos Ratio

Total Protein
Albumin
Globulin
A/G Ratio
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)

Specimen Required: 1 M-SST or
1 M-GRNTT
Minimum: 100 uL serum or heparinized
plasma

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Ferret/Small Mammal 12-Chem w/CBC 56

Updated: 1/22/2018

CBC
Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Calcium
Phosphorus
Ca/Phos Ratio

Total Protein
Albumin
Globulin
A/G Ratio
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)

Specimen Required: Chemistry:
1 M-SST or
1 M-GRNTT
Minimum: 100 uL serum or heparinized
plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 250 uL heparinized or EDTA
whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-GRNTT or M-LTT) is
not submitted, WBC is estimated from
the blood smear.

Ferret/Small Mammal 12-Chem/CBC, Follow-up 84

Updated: 1/30/2018

CBC
Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Calcium
Phosphorus
Ca/Phos Ratio

Total Protein
Albumin
Globulin
A/G Ratio
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)

Specimen Required: Chemistry:
1 M-SST or
1 M-GRNTT
Minimum: 100 uL serum or heparinized
plasma
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 250 uL heparinized or EDTA
whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test.
Previous case ID is required to activate
the discounted price.
If a microtainer (M-GRNTT or M-LTT) is
not submitted, WBC is estimated from
the blood smear.

Avian/Exotic Panel

Ferret/Small Mammal 20-Chem 101004

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| Glucose | Bilirubin, Total |
| Blood Urea Nitrogen (BUN) | ALP (Alkaline Phosphatase) |
| Creatinine | ALT (Alanine Transaminase) |
| Calcium | AST (Aspartate Transaminase) |
| Phosphorus | GGT (Gamma-glutamyltransferase) |
| Ca/Phos Ratio | Cholesterol |
| Total Protein | Creatine Kinase (CK) |
| Albumin | Amylase |
| Globulin | Lipase |
| A/G Ratio | Bile Acids |

Specimen Required: 1 M-SST
Minimum 200 uL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Ferret/Small Mammal 20-Chem w/CBC 1004

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| CBC | ALP (Alkaline Phosphatase) |
| Glucose | GGT (Gamma-glutamyltransferase) |
| Blood Urea Nitrogen (BUN) | ALT (Alanine Transaminase) |
| Creatinine | AST (Aspartate Transaminase) |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Cholesterol |
| Ca/Phos Ratio | Amylase |
| Total Protein | Lipase |
| Albumin | Bile Acids |
| Globulin | Total Bilirubin |
| A/G Ratio | |

Specimen Required: Chemistry:
1 M-SST
Minimum: 200 uL serum
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 250 uL EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-LTT) is not submitted, WBC is estimated from the blood smear.

Ferret/Small Mammal 20-Chem w/CBC & PEP 10044

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| CBC | Bilirubin, Total |
| Glucose | ALP (Alkaline Phosphatase) |
| Blood Urea Nitrogen (BUN) | ALT (Alanine Transaminase) |
| Creatinine | AST (Aspartate Transaminase) |
| Calcium | GGT (Gamma-glutamyltransferase) |
| Phosphorus | Cholesterol |
| Ca/Phos Ratio | Creatine Kinase (CK) |
| Total Protein | Amylase |
| Albumin | Lipase |
| Globulin | Bile Acids |
| A/G Ratio | Protein Electrophoresis |

Specimen Required: Chemistry:
1 M-SST
Minimum: 200 uL serum
CBC:
2 air dried slides
1 M-LTT
Minimum: 250 uL EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-LTT) is not submitted, WBC is estimated from the blood smear. Protein electrophoresis run Mondays and Thursdays.

Ferret/Small Mammal 20-Chem/CBC, Follow-up 11004

Updated: 1/27/2018

| | |
|---------------------------|---------------------------------|
| CBC | Bilirubin, Total |
| Glucose | ALP (Alkaline Phosphatase) |
| Blood Urea Nitrogen (BUN) | ALT (Alanine Transaminase) |
| Creatinine | AST (Aspartate Transaminase) |
| Calcium | GGT (Gamma-glutamyltransferase) |
| Phosphorus | Cholesterol |
| Ca/Phos Ratio | Creatine Kinase (CK) |
| Total Protein | Amylase |
| Albumin | Lipase |
| Globulin | Bile Acids |
| A/G Ratio | |

Specimen Required: Chemistry:
1 M-SST
Minimum: 200 uL serum
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 250 uL EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: If a microtainer (M-LTT) is not submitted, WBC is estimated from the blood smear.

Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Avian/Exotic Panel

Ferret/Small Mammal 27-Chem 101002

Updated: 1/27/2018

| | |
|---------------------------|---------------------------------|
| Glucose | Albumin |
| Blood Urea Nitrogen (BUN) | Globulin |
| Creatinine | A/G Ratio |
| Sodium | Bilirubin, Total |
| Potassium | ALP (Alkaline Phosphatase) |
| Sodium/Potassium Ratio | ALT (Alanine Transaminase) |
| Chloride | AST (Aspartate Transaminase) |
| Carbon Dioxide (CO2) | GGT (Gamma-glutamyltransferase) |
| Anion Gap | Cholesterol |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Amylase |
| Ca/Phos Ratio | Lipase |
| Calculated Osmolality | Bile Acids |
| Total Protein | |

Specimen Required: 2 M-SST
Minimum: 250 uL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Ferret/Small Mammal 27-Chem w/CBC 1002

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| CBC | Total Protein |
| Glucose | Albumin |
| Blood Urea Nitrogen (BUN) | Globulin |
| Creatinine | Albumin/Globulin |
| Sodium | Bilirubin, Total |
| Potassium | ALP (Alkaline Phosphatase) |
| Sodium/Potassium Ratio | ALT (Alanine Transaminase) |
| Chloride | AST (Aspartate Transaminase) |
| Carbon Dioxide (CO2) | GGT (Gamma-glutamyltransferase) |
| Anion Gap | Cholesterol |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Amylase |
| Ca/Phos Ratio | Lipase |
| Calculated Osmolality | Bile Acids |

Specimen Required: Chemistry:
2 M-SST
Minimum: 250 uL serum
CBC:
2 air dried slides, and
1 M-LTT
Minimum: 250 uL EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Chemistry Screen includes electrolytes, Total CO2, calculated osmolality and anion gap.
If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear.

Ferret/Small Mammal 27-Chem w/CBC and PEP 10022

Updated: 1/22/2018

| | |
|---------------------------|---------------------------------|
| CBC | Albumin |
| Glucose | Globulin |
| Blood Urea Nitrogen (BUN) | A/G Ratio |
| Creatinine | Bilirubin, Total |
| Sodium | ALP (Alkaline Phosphatase) |
| Potassium | ALT (Alanine Transaminase) |
| Sodium/Potassium Ratio | AST (Aspartate Transaminase) |
| Chloride | GGT (Gamma-glutamyltransferase) |
| Carbon Dioxide (CO2) | Cholesterol |
| Anion Gap | Creatine Kinase (CK) |
| Calcium | Amylase |
| Phosphorus | Lipase |
| Ca/Phos Ratio | Bile Acids |
| Calculated Osmolality | Protein Electrophoresis |
| Total Protein | |

Specimen Required: Chemistry:
2 M-SST
Minimum: 250 uL serum
CBC:
2 air dried slides and
1 M-LTT
Minimum: 250 uL EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Chemistry screen includes electrolytes, Total CO2, calculated osmolality and anion gap.
If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear. Protein Electrophoresis run Mondays and Thursdays.

Avian/Exotic Panel

Ferret/Small Mammal 27-Chem/CBC, Follow-up 11002

Updated: 1/30/2018

| | |
|-----------------------------------|---------------------------------|
| CBC | Total Protein |
| Glucose | Albumin |
| Blood Urea Nitrogen (BUN) | Globulin |
| Creatinine | A/G Ratio |
| Sodium | Bilirubin, Total |
| Potassium | ALP (Alkaline Phosphatase) |
| Sodium/Potassium Ratio | ALT (Alanine Transaminase) |
| Chloride | AST (Aspartate Transaminase) |
| Carbon Dioxide (CO ₂) | GGT (Gamma-glutamyltransferase) |
| Anion Gap | Cholesterol |
| Calcium | Creatine Kinase (CK) |
| Phosphorus | Amylase |
| Ca/Phos Ratio | Lipase |
| Calculated Osmolality | Bile Acids |

Specimen Required: Chemistry:
2 M-SST
Minimum: 250 uL serum
CBC:
2 air dried slides and
1 M-LTT
Minimum: 250 uL EDTA whole blood

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Chemistry screen includes the electrolytes, Total CO₂, calculated osmolality and anion gap.
If a microtainer (M-GRNTT or M-LTT) is not submitted, WBC is estimated from the blood smear.

Submit within 30 days of original test.
Previous case ID is required to activate the discounted price.

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Canine Panel

Autoimmune Panel 52

Updated: 1/31/2018

CBC w/Differential
Platelet Count

Coombs
ANA

Specimen Required: 1 LTT, 2 blood smears, 0.1 mL serum
1 SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day/See Comments

Comments: ANA is performed Tues/Thurs AM.
A positive ANA is titered the next day
(Wed/Fri)
Coombs performed Mon-Sat AM.

Note: Discontinue Corticosteroid use a
minimum 2-3 weeks prior to testing.
Corticosteroids can cause false negative
ANA and Coombs results.

Basic Canine 21

Updated: 1/22/2018

Chemistry Screen
Creatine Kinase (CK)

Amylase
Lipase

Specimen Required: 1 SST or RTT
Minimum: 1 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Basic Health Profile I 91

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen

Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Basic Health Profile II 92

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen

Total T4
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube).
5 ml urine (please indicate collection
method).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Bile Acids Panel 46

Updated: 1/22/2018

Pre Bile Acids Sample

Post Bile Acids Sample

Specimen Required: 1 SST or RTT for each, pre and post
Minimum: 0.5 mL serum, each

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP
or blood ammonia. Helpful in assessing
liver function. Use a standard meal
such as CD. Post prandial values in
normal dogs/cats do not usually exceed
20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: PLEASE NOTE: The animal should be off
Actigall (Ursodiol) 48 hours prior to
running a bile acid study.

Canine Panel

Canine Breeding Panel 1647

Updated: 2/2/2018

Progesterone

Cytology, Vaginal Smears for Estrus

Specimen Required: 1 RTT

Minimum: 0.3 mL serum
1-2 Vaginal Smears (Slides)
Prepare the cytology sample by GENTLY rolling the swab over the slide. This technique will deliver optimal cellular material for review. Thoroughly dry the smears. DO NOT put slides into the slide holder until completely dry.

Timing of Sampling:
In early proestrus, 1) progesterone should be monitored every 2-3 days to detect the preovulatory rise; 2) vaginal cytology should be evaluated every 2 days until >60% cornified.

Rechecking:
If progesterone is 1.0 - 3.9 ng/mL, consider confirming ovulation with serum progesterone concentration after at least 3 days.

Day(s) Test Set Up: Monday through Sunday

Reported Time: Next Day

Comments: At ovulation, serum progesterone ranges from 3.8 - 10 ng/mL. Optimal breeding (fresh semen) is 2 days after ovulation.

Consistent labeling of tubes: Last Name, Owner, Animal is very helpful when comparing serial results.

Chemistry Screen, Follow-up 71

Updated: 2/4/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Carbon Dioxide (CO₂)
Anion Gap
Calcium
Phosphorus

Total Protein
Albumin
Globulin
A/G Ratio
Bilirubin, Total
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
GGT (Gamma-glutamyltransferase)
Cholesterol
Calculated Osmolality

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (a grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Chemistry Screen 1

Updated: 2/4/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Carbon Dioxide (CO₂)
Anion Gap
Calcium
Phosphorus

Calculated Osmolality
Total Protein
Albumin
Globulin
Albumin/Globulin Ratio
Bilirubin, Total
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
GGT (Gamma-glutamyltransferase)
Cholesterol

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (a grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Coagulation Panel I 83

Updated: 2/4/2018

Prothrombin Time (PT)

APTT

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, for proper dilution, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Coagulation Panel II 10

Updated: 2/4/2018

CBC w/Differential
Platelet Count
Fibrinogen

Prothrombin Time (PT)
APTT

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.
1 LTT, 2 blood smears

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Canine Panel

Coagulation Panel III 18

Updated: 2/4/2018

CBC w/Differential
Platelet Count
Prothrombin Time (PT)

APTT
D-Dimer
Fibrinogen

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.
1 LTT, 2 blood smears

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, for proper dilution, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Cobalamin and Folate 2689

Updated: 1/31/2018

Cobalamin

Folate

Specimen Required: 0.75 mL serum, RTT

Cobalamin and Folate are light sensitive. It is recommended to wrap serum tube in paper or aluminum foil. Frozen and protected from light.

Day(s) Test Set Up: Monday, Wednesday, Friday
(AM)

Reported Time: Same Day

Canine Panel

Cushing's Disease Panel-TDM 5011

Updated: 1/31/2018

CBC w/Differential
Blood Urea Nitrogen (BUN) and
Creatinine
ALT (Alanine Transaminase)

Sodium
Potassium
ACTH Response (2 Cortisol samples)

Specimen Required: 1 LTT
Air dried peripheral blood smears
2 RTTs, 0.5 mL each pre and post
cortisol (avoid lipemia)

CANINE PROTOCOL:

1. Collect a resting sample in a RTT, 0.5 mL of serum is required. Separate serum if possible and refrigerate.
2. Inject 0.25 mg (250 ug) of Cortrosyn IM or IV (1 vial).
3. Collect a second sample EXACTLY 1 HOUR post injection in RTT, label clearly as to the collection status (post), and preserve in the same manner as the first sample.

ALTERNATIVE CANINE PROTOCOL (Microdose):

In order to keep Cortrosyn costs down, use the specific dose of 5 ug/kg IV - up to the maximum dose of 250 ug (one vial) per dog. Whatever is left over can then be split into aliquots of 25 ug or 50 ug using small plastic syringes. Normally 1 mL of sterile physiologic saline is used as diluent. If so, 25 ug would be 100 uL or 0.1 mL and 50 ug would be 200 uL or 0.2 mL. The aliquots can then be frozen for up to 6 months with no loss of activity as long as they are not thawed and refrozen.

NOTE:
The test has been validated using Cortrosyn. Although compounded gels are available, they vary greatly in peak times and are not recommended.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run prior to and immediately after induction, then every 3 to 4 months, more if patient's condition dictates.

Electrolyte Screen 16

Updated: 1/22/2018

Sodium
Potassium
Chloride

Carbon Dioxide (CO2)
Anion Gap
Sodium/Potassium Ratio

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Endocrine Panel II 1008

Updated: 1/25/2018

Chemistry Screen
Total T4

Dexamethasone Suppression-3
cortisols

Specimen Required: 3 RTT, label each tube with draw time (0, 4 and 8 hour), 0.5 mL serum-each Cortisol sample.
Minimum: 0.1 mL for each cortisol sample

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Chemistry Screen run Mon-Sun.
Cortisols run Mon - Sat AM/PM

Collection protocol and result interpretations are found in the Individual Test section of this book under "Dexamethasone Suppression".

Canine Panel

Fecal Parasite Screen Combo w/Elisa 2241

Updated: 1/30/2018

Giardia, ELISA

Fecal Parasite Screen

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter ok).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.
- 2) Microscopic examination of the processed specimen to detect ova and parasites.
- 3) ELISA examination for Giardia.

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including giardia cysts.

Fecal Parasite Screen Combo w/IFA 2409

Updated: 2/2/2018

Fecal Parasite Screen Combo

Giardia/Cryptosporidium (IFA)

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter OK).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.
- 2) Microscopic examination of the processed specimen to detect ova and parasites.
- 3) IFA microscopic exam for Giardia/Crypto.

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts.

The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidium that are associated with birds and reptiles.

To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

General Diagnostic 2

Updated: 1/22/2018

CBC w/Differential

Chemistry Screen

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Canine Panel

General Diagnostic w/T4 and TSH Canine 2072

Updated: 1/30/2018

Chemistry Screen
CBC w/Differential

Total T4
TSH Canine

Specimen Required: 1 LTT, 2 Air dried peripheral blood smears
1 SST or RTT with 1.0 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Diagnostic w/Total T4 77

Updated: 1/28/2018

CBC w/Differential
Chemistry Screen

Total T4

Specimen Required: 1 LTT, 2 Air dried peripheral blood smears
1 SST or RTT with 1.0 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Diagnostic, Follow-up 72

Updated: 1/22/2018

CBC w/Differential

Chemistry Screen

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test.
Previous case ID is required to activate the discounted price.

General Endocrine, Canine 61

Updated: 2/4/2018

Chemistry Screen
Total T4

ACTH Response (2 Cortisol samples)

Specimen Required: 1 RTT
1 GTT (A grey top tube is not necessary if the RTT is centrifuged and serum is transferred to a transport tube.)

NOTE:
The test has been validated using Cortrosyn. Although compounded gels are available, they vary greatly in peak times and are not recommended.

CANINE ACTH STIM PROTOCOL:

1. Collect a resting sample in a RTT, 0.5 mL of serum is required. Separate serum if possible and refrigerate.

2. Inject 0.25 mg (250 ug) of Cortrosyn IM or IV (1 vial).

3. Collect a second sample exactly 1 hour post injection in RTT, label clearly as to the collection status (post), and preserve in the same manner as the first sample.

ALTERNATE CANINE PROTOCOL (Microdose):

In order to keep Cortrosyn costs down, use the specific dose of 5 ug/kg IV - up to the maximum dose of 250 ug (one vial) per dog. Whatever is left over can then be split into aliquots of 25 ug or 50 ug using small plastic syringes. Normally 1 mL of sterile physiologic saline is used as diluent. If so, 25 ug would be 100 uL or 0.1 mL and 50 ug would be 200 uL or 0.2 mL. The aliquots can then be frozen for up to 6 months with no loss of activity as long as they are not thawed and refrozen.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Canine Panel

Geriatric Panel, Canine 15

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)
Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
minimum 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Geriatric Panel, Canine, Follow-up 1015

Updated: 1/22/2018

Chemistry Screen
CBC w/Differential
Creatine Kinase (CK)

Amylase
Lipase
Total T4

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)
1 LTT
Air dried peripheral blood smears

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test.
Previous case ID is required to activate
the discounted price.

Glucocorticoids-TDM 5019

Updated: 1/25/2018

Glucose
Sodium
Potassium
Calcium

Phosphorus
Total Protein
Albumin
ALT (Alanine Transaminase)

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 2 weeks, 1 month, then every
2 to 4 months
Glucocorticoids include Prednisone,
Prednisolone, Dexamethasone, etc.

Heartworm Panel 58

Updated: 1/22/2018

Heartworm (Adult) Antigen, ELISA Microfilaria (Knott's Test)

Specimen Required: 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL
1 LTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Liver Chemistry Panel 1084

Updated: 1/22/2018

Albumin
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
Bilirubin, Direct
Bilirubin, Indirect
Bilirubin, Total

GGT (Gamma-glutamyltransferase)
Total Protein
Globulin
A/G Ratio
Pre Bile Acids Sample
Post Bile Acids Sample

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
and
1 SST or RTT for post bile acids
Minimum: 0.1 mL serum

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP
or blood ammonia. Helpful in assessing
liver function. Use a standard meal
such as CD. Post prandial values in
normal dogs/cats do not usually exceed
20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Canine Panel

Liver Profile 85

Updated: 1/22/2018

| | |
|------------------------------|---------------------------------|
| CBC w/Differential | Bilirubin, Total |
| Albumin | GGT (Gamma-glutamyltransferase) |
| ALP (Alkaline Phosphatase) | Total Protein |
| ALT (Alanine Transaminase) | Globulin |
| AST (Aspartate Transaminase) | A/G Ratio |
| Bilirubin, Direct | Pre Bile Acids Sample |
| Bilirubin, Indirect | Post Bile Acids Sample |

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
and
1 SST or RTT for post bile acids sample
Minimum: 0.1 mL serum

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP or blood ammonia. Helpful in assessing liver function. Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Ova and Parasite Combo w/IFA 2213

Updated: 2/2/2018

Ova and Parasite Giardia/Cryptosporidium (IFA)

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter ok).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.
- 2) Microscopic examination of the processed specimen to detect ova and parasites.
- 3) IFA microscopic examination for Giardia/Crypto.

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts.

The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidium that are associated with birds and reptiles.

To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

Senior Screen 11

Updated: 1/25/2018

| | |
|---------------------------|----------------------------|
| Glucose | ALP (Alkaline Phosphatase) |
| Blood Urea Nitrogen (BUN) | ALT (Alanine Transaminase) |
| Creatinine | Total T4 |
| Potassium | Phosphorus |

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Canine Panel

Senior Screen w/CBC 2011

Updated: 1/31/2018

CBC w/Differential
Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Potassium
Phosphorus
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
Total T4

Specimen Required: 1 mL LTT, 0.5 mL serum SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Senior Screen w/TSH Canine 2071

Updated: 1/25/2018

ALP (Alkaline Phosphatase)
Blood Urea Nitrogen (BUN) and
Creatinine
Glucose
Phosphorus
Calcium
ALT (Alanine Transaminase)
Total T4
TSH Canine

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Special Profile 861 861

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase
Lipase
Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Thyroid I 74

Updated: 1/31/2018

Free T4
TSH Canine
Specimen Required: 1 RTT or SST
Minimum: 1 mL serum
Day(s) Test Set Up: Monday through Sunday
(AM/PM)
Reported Time: Same Day

Thyroid II 75

Updated: 2/2/2018

Total T4
TSH Canine
Specimen Required: 1 RTT or SST
Minimum: 1 mL serum
Day(s) Test Set Up: Monday through Sunday
Reported Time: Same Day

Thyroid III 864

Updated: 1/31/2018

TSH Canine
Free T4
Total T4
Specimen Required: 1 RTT or SST
Minimum: 1 mL serum
Day(s) Test Set Up: Monday through Sunday
Reported Time: Same Day

Thyroid IV Panel, Canine 874

Updated: 1/31/2018

Total T4
Free T4
Specimen Required: 1 RTT or SST
Minimum: 1 mL serum
Day(s) Test Set Up: Monday through Sunday
Reported Time: Same Day

Thyroid Screen 49

Updated: 1/31/2018

Total T4
T3 (Triiodothyronine)
Specimen Required: 1 RTT or SST
Minimum: 1 mL serum
Day(s) Test Set Up: Monday through Sunday
(AM/PM)
Reported Time: Same Day

Canine Panel

TLI, Cobalamin and Folate, Canine 689C

Updated: 1/31/2018

TLI
Cobalamin

Folate

Specimen Required: 1.0 mL RTT fasted 12 - 18 hours
(Diabetic animals 6 - 8 hr) non-hemolyzed serum.

Cobalamin and Folate are light sensitive.
It is recommended to wrap serum tube
in paper or aluminum foil.

Day(s) Test Set Up: Monday, Wednesday, Friday
(AM)

Reported Time: Next Day

Comments: No Comment

Total Body Diagnostic 3

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)
5 mL urine; indicate method of
collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Total Body Diagnostic, Follow-up 1003

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)
5 mL urine; indicate method of
collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test.
Previous case ID is required to activate
the discounted price.

Total Body Diagnostic, w/o UA 35

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Canine Panel

Total Body Diagnostic, w/o UA, Follow-up 1035

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Wellness I 1710

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)

Amylase
Lipase
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Wellness II 1711

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
Urinalysis
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Wellness III 1712

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
Free T4
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Wellness IV 1713

Updated: 1/31/2018

| | |
|----------------------|------------|
| CBC w/Differential | Lipase |
| Chemistry Screen | Free T4 |
| Creatine Kinase (CK) | Urinalysis |
| Amylase | Total T4 |

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

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Equine/Large Panel

Chemistry Screen, Equine 30

Updated: 1/22/2018

| | |
|-----------------------------------|---------------------------------|
| Glucose | Total Protein |
| Blood Urea Nitrogen (BUN) | Albumin |
| Creatinine | Globulin |
| Sodium | Albumin/Globulin Ratio |
| Potassium | Bilirubin, Total |
| Sodium/Potassium Ratio | ALP (Alkaline Phosphatase) |
| Chloride | GGT (Gamma-glutamyltransferase) |
| Carbon Dioxide (CO ₂) | AST (Aspartate Transaminase) |
| Anion Gap | Creatine Kinase (CK) |
| Calcium | Cholesterol |
| Phosphorus | SDH (Sorbitol Dehydrogenase) |
| Calculated Osmolality | |

Specimen Required: 1 SST or RTT
Minimum: 2 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Chemistry Screen, Large Animal 98

Updated: 1/22/2018

| | |
|-----------------------------------|---------------------------------|
| Glucose | Calculated Osmolality |
| Blood Urea Nitrogen (BUN) | Total Protein |
| Creatinine | Albumin |
| Sodium | Globulin |
| Potassium | Albumin/Globulin Ratio |
| Sodium/Potassium Ratio | Bilirubin, Total |
| Chloride | ALP (Alkaline Phosphatase) |
| Carbon Dioxide (CO ₂) | AST (Aspartate Transaminase) |
| Anion Gap | GGT (Gamma-glutamyltransferase) |
| Calcium | Cholesterol |
| Phosphorus | Creatine Kinase (CK) |

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Equine 872 w/Insulin 2872

Updated: 1/25/2018

| | |
|----------------------------|----------|
| Special Equine Chem Screen | Insulin |
| Fibrinogen | Total T4 |
| CBC | |

Specimen Required: 1 LTT, 2 blood smears, 2.0 ml serum, SST or RTT, 1 ml LTT plasma, separated and frozen.

Insulin: Sample should be tested or frozen within 24 hours.

Day(s) Test Set Up: Monday through Saturday

Reported Time: Same Day / Insulin Next Day

Equine Dexamethasone Suppression 2038

Updated: 1/27/2018

| | |
|---------------|----------------|
| Cortisol, Pre | Cortisol, Post |
|---------------|----------------|

Specimen Required: 2 samples: Pre/Post
2 RTT's
Minimum: 0.5 mL serum (each)

PROTOCOL:

1. Begin test between 4-6 PM.
2. Draw a pre-injection blood sample into a RTT and label "PRE".
3. Inject 40 ug/kg of DEXAMETHASONE intramuscularly.
4. Nineteen hours post-injection, draw a blood sample into a RTT and label "POST-19".
5. Submit both samples at one time. Blood samples should be centrifuged, the serum separated, placed in a clean tube, and refrigerated or frozen until submitted to the Lab.

Day(s) Test Set Up: Monday through Sunday

Reported Time: Same Day

Equine/Large Panel

Equine General Endocrine 8

Updated: 1/25/2018

Equine Chemistry Screen
Total T4

ACTH Plasma

Specimen Required: 1.0 mL serum, SST or RTT, 1 mL LTT plasma, separated and frozen.

Day(s) Test Set Up: Monday through Saturday (AM/PM)

Reported Time: Same Day/See Comments

Comments: Dexamethasone Suppression is the currently recommended protocol for confirmation of equine Cushing's disease.
Normal horses: Cortisol < or = 1.0 ug/dL 19 hours post dexamethasone.

Interpret with clinical signs and rule out other conditions. Also, if performing this test in the fall, starting in September, interpret a failure to suppress with caution as false positives occasionally occur at that time of the year.

Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. Recommend these drugs be discontinued at least 24 hrs before testing.

Equine INS/ACTH 1634

Updated: 1/31/2018

ACTH Plasma
Insulin

Glucose

Specimen Required: 1 LTT
1.0 mL Plasma, spin down immediately and separate from cells, freeze as soon as possible.
1 SST or RTT, minimum 0.5 mL serum. Sample should be frozen within 24 hours.

ACTH - Frozen Plasma stable for 14 days. Avoid grossly hemolyzed and/or lipemic samples. See report for reference ranges.

Insulin - Centrifuge tube within 20 - 30 minutes of collection. Separate serum into a transport tube and refrigerate.

If unable to centrifuge, use GTT for collection of glucose samples. GTT tubes must have a minimum of 1 mL of blood for accurate results.

Day(s) Test Set Up: Monday, Wednesday, Friday (AM)

Reported Time: Same Day

Equine Immunodeficiency Panel 12

Updated: 1/25/2018

CBC w/Differential
IgG, Immunoglobulin G, Equine

IgM, Immunoglobulin M, Equine

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: See Comment

Comments: CBC same day, final IgG/IgM 24 hrs.

Equine Pre-Op Panel 750

Updated: 1/22/2018

CBC w/Differential
Fibrinogen
Glucose
Blood Urea Nitrogen (BUN)

Total Protein
Albumin
Globulin
GGT (Gamma-glutamyltransferase)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Equine/Large Panel

Equine Screen 4

Updated: 1/22/2018

CBC w/Differential
Equine Chemistry Screen

Fibrinogen
Plasma Protein

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: SDH is included in Equine Chemistry Screen

Equine Screen, Follow-up 89

Updated: 1/22/2018

CBC w/Differential
Equine Chemistry Screen

Fibrinogen
Plasma Protein

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test.
SDH is included in Equine Chemistry Screen
Previous case ID is required to activate the discounted price.

Equine Senior Wellness I 2404

Updated: 1/25/2018

Glucose
Total T4
Fibrinogen
Plasma Protein

CBC
Insulin
ACTH Plasma
Glucose, Plasma

Specimen Required: 1 LTT, 2 blood smears, 2.0 ml serum, SST or RTT, 1 ml LTT plasma, separated and frozen.

Insulin: Sample should be tested or frozen within 24 hours.

Day(s) Test Set Up: Monday through Saturday

Reported Time: Same Day

Equine Senior Wellness II 2405

Updated: 1/25/2018

Special Equine Chem Screen
Total T4
Fibrinogen

CBC
Insulin
ACTH Plasma

Specimen Required: 1 LTT, 2 blood smears, 2.0 ml serum, SST or RTT, 1 ml LTT plasma, separated and frozen.

Insulin: Sample should be tested or frozen within 24 hours.

Day(s) Test Set Up: Monday through Saturday

Reported Time: Same Day

Equine Special 872 872

Updated: 1/22/2018

CBC w/Differential
Equine Chemistry Screen

Fibrinogen
Total T4, Equine

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 1 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: SDH is included in Equine Chemistry Screen

Equine Total Body 40

Updated: 1/22/2018

CBC w/Differential
Equine Chemistry Screen

Fibrinogen
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: SDH is included in the Equine Chemistry Screen

Equine/Large Panel

Equine Uterine Screen 862

Updated: 1/22/2018

Uterine Culture

Uterine Cytology

Specimen Required: SALINE FLUSH submitted in sterile container (RTT) is the BEST SAMPLE. From this both culture and cytology can be setup by the Lab. Cytology prep would include a cytospin prep which provides the best cell interpretation.

OR

2 transport swabs and freshly made slides. One swab is used for culture and one swab is used for cytology slides. Slides are ideally prepared immediately after collection. Slides prepared at lab from swabs have variable quality. Note that smears prepared on non-sterile slides will result in contamination of the culture. One swab used for the two procedures will result in a scanty amount of material for either test.

Prepare the cytology sample by GENTLY ROLLING (NOT SMEARING) the swab over the slide. This technique will deliver optimal cellular material for review. Thoroughly dry the smears. DO NOT put slides into the slide holder until completely dry or all the cells will rupture.

Do not refrigerate slides.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: See Comments

Comments: Cytology reported the same day (Monday - Saturday AM).
Culture reported 72 hours.

General Diagnostic, Large Animal 99

Updated: 1/22/2018

CBC w/Differential
Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Carbon Dioxide (CO2)
Anion Gap
Calcium

Phosphorus
Calculated Osmolality
Total Protein
Albumin
Globulin
Albumin/Globulin Ratio
Bilirubin, Total
ALP (Alkaline Phosphatase)
AST (Aspartate Transaminase)
GGT (Gamma-glutamyltransferase)
Cholesterol

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Pre-op Panel, Large Animal 851

Updated: 1/22/2018

CBC w/Differential
Glucose
Blood Urea Nitrogen (BUN)
Creatinine

Total Protein
ALP (Alkaline Phosphatase)
AST (Aspartate Transaminase)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Equine/Large Panel

Ruminant Screen 6

Updated: 1/22/2018

Chemistry Screen
CBC w/Differential
Fibrinogen

Magnesium
Creatine Kinase (CK)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Thyroid Screen, (other than canine/feline) 67

Updated: 1/28/2018

T3 (Triiodothyronine)

Total T4

Specimen Required: 1 RTT or SST
Minimum: 1 mL serum

Day(s) Test Set Up: Monday through Saturday
(PM)

Reported Time: Same Day

Total Body Diagnostic, Large Animal 96

Updated: 1/22/2018

Chemistry Screen, Large Animal
CBC w/Differential

Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Total Body Diagnostic, w/o UA, Large Animal 97

Updated: 1/22/2018

Chemistry Screen, Large Animal

CBC w/Differential

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

TRH Stimulation Test, Equine 6971

Updated: 1/27/2018

ACTH Endogenous (pre)

ACTH Endogenous (post)

Specimen Required: 2 LTT,
1.0 mL plasma each, spin down
immediately and separate from cells.

Frozen Plasma stable for 14 days. Avoid
grossly hemolysed and/or lipemic
samples.

Procedure:

1. Spin and separate plasma into a plastic transport tube within 1 hour of collection. Recommended to freeze immediately.
2. Collect 0 hour (PRE) TRH sample in LTT. Process as directed above. Clearly label as 0 hour / PRE-sample.
3. Administer 1mg TRH IV (Tryrotropin Releasing Hormone), which can be obtained from compounding pharmacies. The online pharmacy Wedgewood sells TRH under the brand name Protirelin.
4. At exactly 10 minutes after administration of TRH, collect second sample in LTT. Process as directed above and clearly label at 10 minutes / POST-sample.

Endogenous ACTH is tested on both samples. Recommended to perform test mid-November to mid-July since seasonally adjusted reference intervals have not yet been established. This is currently the recommended test for early detection of equine Pituitary Pars Intermedia Dysfunction (PPID). If a horse has clinical signs, and endogenous ACTH is often diagnostic. Transient yawning, coughing, mouth chomping and display flehmen response can follow administration of TRH. These side effects will subside within a few minutes.

HORSES CAN BE FASTED OR RECENTLY
HAVE BEEN FED HAY, BUT NOT GRAIN.
DO NOT PERFORM IMMEDIATELY
AFTER AN ORAL SUGAR TEST.

Day(s) Test Set Up: Monday, Wednesday, Friday
(AM)

Reported Time: Same Day

Comments: 2 samples required: PRE and 10 minute
POST

Feline Panel

ACTH Response - Feline (3 Cortisol samples) 1039

Updated: 1/25/2018

ACTH Response, Feline

Specimen Required: 3 RTT's

Minimum: 0.5 mL for each sample
Avoid severe lipemia

FELINE PROTOCOL:

Feline hyperadrenocorticism is very rare, we suggest consulting with an internist/clinical pathologist at the Laboratory prior to diagnostic testing. Dexamethasone suppression test is the favored diagnostic test for hyperadrenocorticism in cats.

NOTE:

The test has been validated using Cortrosyn. Although compounded gels are available, they vary greatly in peak times and are not recommended.

1. Collect a resting sample in a RTT, 0.5 mL of serum is required. Separate serum if possible and refrigerate.
2. Inject 0.125 mg of Cortrosyn IM or IV, (1/2 vial).
3. Collect a sample exactly 30 min and 60 min post injection in a RTT, label clearly as to the status (post-30, post-60), and preserve in the same manner as the first sample.

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: Pre and 2 post samples required.

Extreme lipemia may interfere with assay.
Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. Recommend these drugs be discontinued at least 48 hrs before testing.

Iatrogenic hyperadrenocorticism can occur with long term glucocorticoids or progestins (e.g. megestrol acetate). These cats will have low to undetectable cortisol, failure to stimulate and low ACTH concentrations. They do not have abnormal electrolyte concentrations as

Autoimmune Panel 52

Updated: 1/31/2018

CBC w/Differential
Platelet Count

Coombs
ANA

Specimen Required: 1 LTT, 2 blood smears, 0.1 mL serum
1 SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day/See Comments

Comments: ANA is performed Tues/Thurs AM.
A positive ANA is titered the next day (Wed/Fri)
Coombs performed Mon-Sat AM.

Note: Discontinue Corticosteroid use a minimum 2-3 weeks prior to testing. Corticosteroids can cause false negative ANA and Coombs results.

Basic Feline 57

Updated: 2/2/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)

FIV
FeLV, ELISA
Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or 1 RTT
Minimum: 1 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Basic Health Profile I 91

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen

Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Feline Panel

Basic Health Profile II 92

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen

Total T4
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).
5 ml urine (please indicate collection method).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Bile Acids Panel 46

Updated: 1/22/2018

Pre Bile Acids Sample

Post Bile Acids Sample

Specimen Required: 1 SST or RTT for each, pre and post
Minimum: 0.5 mL serum, each

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP or blood ammonia. Helpful in assessing liver function. Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: PLEASE NOTE: The animal should be off Actigall (Ursodiol) 48 hours prior to running a bile acid study.

Chemistry Screen 1

Updated: 2/4/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Carbon Dioxide (CO2)
Anion Gap
Calcium
Phosphorus

Calculated Osmolality
Total Protein
Albumin
Globulin
Albumin/Globulin Ratio
Bilirubin, Total
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
GGT (Gamma-glutamyltransferase)
Cholesterol

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (a grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Chemistry Screen, Follow-up 71

Updated: 2/4/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Carbon Dioxide (CO2)
Anion Gap
Calcium
Phosphorus

Total Protein
Albumin
Globulin
A/G Ratio
Bilirubin, Total
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
GGT (Gamma-glutamyltransferase)
Cholesterol
Calculated Osmolality

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (a grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Coagulation Panel I 83

Updated: 2/4/2018

Prothrombin Time (PT)

APTT

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, for proper dilution, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Coagulation Panel II 10

Updated: 2/4/2018

CBC w/Differential
Platelet Count
Fibrinogen

Prothrombin Time (PT)
APTT

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.
1 LTT, 2 blood smears

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Feline Panel

Coagulation Panel III 18

Updated: 2/4/2018

CBC w/Differential
Platelet Count
Prothrombin Time (PT)

APTT
D-Dimer
Fibrinogen

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.
1 LTT, 2 blood smears

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, for proper dilution, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Cobalamin and Folate 2689

Updated: 1/31/2018

Cobalamin

Folate

Specimen Required: 0.75 mL serum, RTT

Cobalamin and Folate are light sensitive. It is recommended to wrap serum tube in paper or aluminum foil. Frozen and protected from light.

Day(s) Test Set Up: Monday, Wednesday, Friday (AM)

Reported Time: Same Day

Electrolyte Screen 16

Updated: 1/22/2018

Sodium
Potassium
Chloride

Carbon Dioxide (CO2)
Anion Gap
Sodium/Potassium Ratio

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Fecal Parasite Screen Combo w/Elisa 2241

Updated: 1/30/2018

Giardia, ELISA

Fecal Parasite Screen

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter ok).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.

- 2) Microscopic examination of the processed specimen to detect ova and parasites.

- 3) ELISA examination for Giardia.

Day(s) Test Set Up: Monday through Saturday (AM)

Reported Time: Same Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including giardia cysts.

Feline Panel

Fecal Parasite Screen Combo w/IFA 2409

Updated: 2/2/2018

Fecal Parasite Screen Combo Giardia/Cryptosporidium (IFA)

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter OK).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.
- 2) Microscopic examination of the processed specimen to detect ova and parasites.
- 3) IFA microscopic exam for Giardia/Crypto.

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts.

The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidium that are associated with birds and reptiles.

To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

Feline Panel 859 859

Updated: 2/2/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
FeLV, ELISA

FIV
FIP (FCoV) Screen, IFA
Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or 1 RTT
Minimum: 1 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day/See Comments

Comments: FIP and FIV performed Mon - Sat AM, reported in afternoon.

Feline Panel 881 881

Updated: 2/2/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
FeLV, ELISA
FIV
Total T4

Specimen Required: 1 LTT Air dried peripheral blood smears
1 SST or 1 RTT Minimum: 1 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Feline Panel

Feline Panel 882

Updated: 2/2/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
FeLV, ELISA

FIV
FIP (FCoV) Titered, IFA
Total T4

Specimen Required: 1 LTT
1 SST or 1 RTT, 1 mL serum
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: This test contains all the components of #57 plus the FIP Titer.

FIP and FIV performed Mon - Sat AM, reported in afternoon.

Feline Viral I 865

Updated: 1/28/2018

FeLV, ELISA

FIV

Specimen Required: 0.5 mL serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday

Reported Time: Same Day

Feline Viral II 78

Updated: 1/31/2018

FeLV, ELISA
FIV

FIP (FCoV) Screen, IFA

Specimen Required: 1 SST or 1 RTT
Minimum: 0.2 mL serum

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: FIP and FIV performed Mon - Sat AM, reported in afternoon.

Feline Screen 5

Updated: 2/4/2018

CBC w/Differential
Chemistry Screen

FeLV, ELISA
Mycoplasma hemofelis
(Hemobartonella)

Specimen Required: Mycoplasma hemofelis (Hemobartonella) test is a blood smear evaluation.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Mycoplasma hemofelis (Hemobartonella) test is a blood smear evaluation.

Feline Viral III 860

Updated: 1/31/2018

FeLV, ELISA
FIV

FIP (FCoV) Screen, IFA
Mycoplasma hemofelis
(Hemobartonella)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.8 mL serum

Day(s) Test Set Up: Monday through Saturday
(PM)

Reported Time: Same Day

Comments: FIP and FIV performed Mon - Sat AM, reported in afternoon.

Mycoplasma hemofelis (Hemobartonella) test is a blood smear evaluation.

Feline Screen w/FIV 857

Updated: 2/4/2018

CBC w/Differential
Chemistry Screen
FeLV, ELISA

FIV
Total T4

Specimen Required: 1 LTT, 2 blood smears, 1.0 mL serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Mycoplasma hemofelis (Hemobartonella) test is a blood smear evaluation.

FIV performed Mon - Sat AM, reported in afternoon.

Feline Panel

General Diagnostic 2

Updated: 1/22/2018

CBC w/Differential

Chemistry Screen

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Diagnostic w/Total T4 77

Updated: 1/28/2018

CBC w/Differential
Chemistry Screen

Total T4

Specimen Required: 1 LTT, 2 Air dried peripheral blood smears
1 SST or RTT with 1.0 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Diagnostic w/ Total T4, Follow-up 7711

Updated: 1/27/2018

CBC w/Differential
Chemistry Screen

Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (a grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

General Diagnostic, Follow-up 72

Updated: 1/22/2018

CBC w/Differential

Chemistry Screen

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

General Diagnostic w/T4 and TSH Canine 2072

Updated: 1/30/2018

Chemistry Screen
CBC w/Differential

Total T4
TSH Canine

Specimen Required: 1 LTT, 2 Air dried peripheral blood smears
1 SST or RTT with 1.0 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Feline Panel

General Endocrine, Feline 63

Updated: 2/2/2018

Chemistry Screen
ACTH Response, Feline

Total T4

Specimen Required: 2 RTT's

1 GTT (A grey top tube is not necessary if the RTT is centrifuged and serum is transferred to a transport tube.)
Pre/Post cortisol samples of serum or heparinized plasma.

FELINE PROTOCOL:

NOTE: Feline hyperadrenocorticism is very rare, we suggest consulting with an internist/clinical pathologist at the Laboratory prior to diagnostic testing.

Dexamethasone suppression test is the favored diagnostic test for hyperadrenocorticism in cats.

Protocol:

1. Collect a resting sample in a RTT, 0.5 mL of serum or plasma is required. Separate serum if possible and refrigerate.
2. Inject 0.125 mg of Cortrosyn IM or IV, (1/2 vial).
3. Collect a sample exactly 30 min and 60 min post injection in a RTT, label clearly as to the status (post), and preserve in the same manner as the first sample.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Cortisol performed Mon - Sat, AM/PM

Extreme lipemia may interfere with assay.

Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. Recommend these drugs be discontinued at least 48 hrs before testing.

Geriatric Panel, Feline, Follow-up 2059

Updated: 2/2/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)
Total T4

Specimen Required: 1 LTT

Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original sample.
Previous case ID is required to activate the discounted price.

Glucocorticoids-TDM 5019

Updated: 1/25/2018

Glucose
Sodium
Potassium
Calcium

Phosphorus
Total Protein
Albumin
ALT (Alanine Transaminase)

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 2 weeks, 1 month, then every 2 to 4 months
Glucocorticoids include Prednisone, Prednisolone, Dexamethasone, etc.

Feline Panel

Liver Chemistry Panel 1084

Updated: 1/22/2018

| | |
|------------------------------|---------------------------------|
| Albumin | GGT (Gamma-glutamyltransferase) |
| ALP (Alkaline Phosphatase) | Total Protein |
| ALT (Alanine Transaminase) | Globulin |
| AST (Aspartate Transaminase) | A/G Ratio |
| Bilirubin, Direct | Pre Bile Acids Sample |
| Bilirubin, Indirect | Post Bile Acids Sample |
| Bilirubin, Total | |

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
and
1 SST or RTT for post bile acids
Minimum: 0.1 mL serum

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP or blood ammonia. Helpful in assessing liver function. Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Liver Profile 85

Updated: 1/22/2018

| | |
|------------------------------|---------------------------------|
| CBC w/Differential | Bilirubin, Total |
| Albumin | GGT (Gamma-glutamyltransferase) |
| ALP (Alkaline Phosphatase) | Total Protein |
| ALT (Alanine Transaminase) | Globulin |
| AST (Aspartate Transaminase) | A/G Ratio |
| Bilirubin, Direct | Pre Bile Acids Sample |
| Bilirubin, Indirect | Post Bile Acids Sample |

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
and
1 SST or RTT for post bile acids sample
Minimum: 0.1 mL serum

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP or blood ammonia. Helpful in assessing liver function. Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Ova and Parasite Combo w/IFA 2213

Updated: 2/2/2018

Ova and Parasite Giardia/Cryptosporidium (IFA)

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter ok).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.
- 2) Microscopic examination of the processed specimen to detect ova and parasites.
- 3) IFA microscopic examination for Giardia/Crypto.

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts.

The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidium that are associated with birds and reptiles.

To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

Senior Feline Screen w/CBC 899

Updated: 2/2/2018

| | |
|---------------------------|----------------------------|
| CBC w/Differential | Phosphorus |
| Blood Urea Nitrogen (BUN) | ALT (Alanine Transaminase) |
| Creatinine | ALP (Alkaline Phosphatase) |
| Potassium | Total T4 |
| Glucose | |

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Feline Panel

Senior Feline Screen w/Free T4 866

Updated: 1/30/2018

Glucose
Phosphorus
Blood Urea Nitrogen (BUN)
Creatinine
Potassium
ALT (Alanine Transaminase)
ALP (Alkaline Phosphatase)
Free T4

Specimen Required: 1.0 mL serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Senior Screen 11

Updated: 1/25/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Potassium
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
Total T4
Phosphorus

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Senior Screen w/CBC 2011

Updated: 1/31/2018

CBC w/Differential
Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Potassium
Phosphorus
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
Total T4

Specimen Required: 1 mL LTT, 0.5 mL serum SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Senior Screen w/TSH Canine 2071

Updated: 1/25/2018

ALP (Alkaline Phosphatase)
Blood Urea Nitrogen (BUN) and
Creatinine
Glucose
Phosphorus
Calcium
ALT (Alanine Transaminase)
Total T4
TSH Canine

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Special Feline 803

Updated: 2/2/2018

FeLV, ELISA
FIV
FIP (FCoV) Screen, IFA
Total T4

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: FIP and FIV performed Mon - Sat AM,
reported in afternoon.

Special Feline w/CBC 854

Updated: 2/4/2018

CBC w/Differential
Mycoplasma hemofelis
(Hemobartonella)
FeLV, ELISA
FIV
FIP (FCoV) Screen, IFA
Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: FIP and FIV performed Mon - Sat AM,
reported in afternoon.

Mycoplasma hemofelis
(Hemobartonella) test is a blood smear
evaluation.

Special Feline w/Chemistry Screen 853

Updated: 2/2/2018

Chemistry Screen
FeLV, ELISA
FIV
FIP (FCoV) Screen, IFA
Total T4

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: FIP and FIV performed Mon - Sat AM,
reported in afternoon.

Feline Panel

Special Feline w/General Diag, (no Total T4) 856

Updated: 1/31/2018

CBC w/Differential
Chemistry Screen
FeLV, ELISA

FIV
FIP (FCoV) Screen, IFA

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: This panel does not include a T4.

FIP and FIV performed Mon - Sat AM,
reported in afternoon.

Special Feline w/General Diagnostic, T4 855

Updated: 2/4/2018

CBC w/Differential
Chemistry Screen
FeLV, ELISA

FIV
FIP (FCoV) Screen, IFA
Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM)

Reported Time: Same Day

Comments: FIP and FIV performed Mon - Sat AM,
reported in afternoon.

Special Profile 861 861

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen

Amylase
Lipase

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Thyroid III 864

Updated: 1/31/2018

TSH Canine
Free T4

Total T4

Specimen Required: 1 RTT or SST
Minimum: 1 mL serum

Day(s) Test Set Up: Monday through Sunday

Reported Time: Same Day

Thyroid IV Panel, Feline 875

Updated: 2/2/2018

Free T4

Total T4

Specimen Required: 1 RTT or SST
Minimum: 1 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Next Day

Thyroid Screen 49

Updated: 1/31/2018

Total T4

T3 (Triiodothyronine)

Specimen Required: 1 RTT or SST
Minimum: 1 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Feline Panel

TLI, Cobalamin and Folate 689

Updated: 1/31/2018

TLI
Cobalamin

Folate

Specimen Required: 1.0 mL RTT fasted 12 - 18 hours
(Diabetic animals 6 - 8 hr) non-hemolyzed serum.

Cobalamin and Folate are light sensitive.
It is recommended to wrap serum tube
in paper or aluminum foil.

Day(s) Test Set Up: Monday, Wednesday, Friday
(AM)

Reported Time: Same Day

Total Body Diagnostic 3

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)
5 mL urine; indicate method of
collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Total Body Diagnostic, Follow-up 1003

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)
5 mL urine; indicate method of
collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test.
Previous case ID is required to activate
the discounted price.

Total Body Diagnostic, w/o UA 35

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary
if the SST submitted has complete
separation after centrifugation, or the
RTT is centrifuged and serum is
transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Feline Panel

Total Body Diagnostic, w/o UA, Follow-up 1035

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Total Feline Panel 858

Updated: 2/2/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase
Lipase

FeLV, ELISA
FIV
FIP (FCoV) Screen, IFA
Total T4

Specimen Required: 1 LTT, 2 blood smears, 1.0 mL serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: FIP and FIV performed Mon - Sat AM, reported in afternoon.

Wellness I 1710

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)

Amylase
Lipase
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Wellness II 1711

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
Urinalysis
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Wellness III 1712

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
Free T4
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Feline Panel

Wellness IV 1713

Updated: 1/31/2018

| | |
|----------------------|------------|
| CBC w/Differential | Lipase |
| Chemistry Screen | Free T4 |
| Creatine Kinase (CK) | Urinalysis |
| Amylase | Total T4 |

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Panel

ACE Inhibitors-TDM 5010

Updated: 1/22/2018

Blood Urea Nitrogen (BUN)
Potassium

Creatinine
Urinalysis

Specimen Required: 1 SST or RTT, 0.5 mL serum
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 1 week, 1 month, then every 3 to 6 months.

Addison's Disease Panel-TDM 4006

Updated: 1/22/2018

Blood Urea Nitrogen (BUN)
Potassium

Sodium

Specimen Required: 1 SST or 1 RTT, 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Initially every 1 to 2 weeks, then every 3 to 4 months after stabilized.

Amitriptyline/Clomipramine-TDM 4005

Updated: 1/22/2018

CBC w/Differential
ALT (Alanine Transaminase)

Alkaline Phosphatase

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 1 month, then yearly

Amlodipine-TDM 5018

Updated: 1/22/2018

Blood Urea Nitrogen (BUN)
Potassium

Creatinine
Urinalysis

Specimen Required: 1 SST or RTT, 0.1 mL serum
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run 1 week after starting drug or adjusting dose, then 1 month later. Thereafter, every 3 to 6 months.

Basic Health Profile I 91

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen

Total T4

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Basic Health Profile II 92

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen

Total T4
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).
5 ml urine (please indicate collection method).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Panel

Bile Acids Panel 46

Updated: 1/22/2018

Pre Bile Acids Sample Post Bile Acids Sample

Specimen Required: 1 SST or RTT for each, pre and post
Minimum: 0.5 mL serum, each

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP or blood ammonia. Helpful in assessing liver function. Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: PLEASE NOTE: The animal should be off Actigall (Ursodiol) 48 hours prior to running a bile acid study.

Chemistry Screen 1

Updated: 2/4/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Carbon Dioxide (CO₂)
Anion Gap
Calcium
Phosphorus

Calculated Osmolality
Total Protein
Albumin
Globulin
Albumin/Globulin Ratio
Bilirubin, Total
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
GGT (Gamma-glutamyltransferase)
Cholesterol

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (a grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Calcitriol-TDM 5020

Updated: 1/22/2018

Blood Urea Nitrogen (BUN)
Potassium
Creatinine

Calcium
Urinalysis

Specimen Required: 1 SST or RTT, 0.5 mL serum
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run at 1 week, 1 month, then every 2 to 4 months

Chemistry Screen, Follow-up 71

Updated: 2/4/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Sodium
Potassium
Sodium/Potassium Ratio
Chloride
Carbon Dioxide (CO₂)
Anion Gap
Calcium
Phosphorus

Total Protein
Albumin
Globulin
A/G Ratio
Bilirubin, Total
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
GGT (Gamma-glutamyltransferase)
Cholesterol
Calculated Osmolality

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (a grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube).

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Coagulation Panel I 83

Updated: 2/4/2018

Prothrombin Time (PT)

APTT

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, for proper dilution, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Coagulation Panel II 10

Updated: 2/4/2018

CBC w/Differential
Platelet Count
Fibrinogen

Prothrombin Time (PT)
APTT

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.
1 LTT, 2 blood smears

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

General Panel

Coagulation Panel III 18

Updated: 2/4/2018

CBC w/Differential
Platelet Count
Prothrombin Time (PT)

APTT
D-Dimer
Fibrinogen

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.
1 LTT, 2 blood smears

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, for proper dilution, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Cobalamin and Folate 2689

Updated: 1/31/2018

Cobalamin

Folate

Specimen Required: 0.75 mL serum, RTT

Cobalamin and Folate are light sensitive. It is recommended to wrap serum tube in paper or aluminum foil. Frozen and protected from light.

Day(s) Test Set Up: Monday, Wednesday, Friday (AM)

Reported Time: Same Day

Diabetes Mellitus Panel-TDM 5012

Updated: 1/22/2018

Blood Glucose
Fructosamine

Urinalysis

Specimen Required: 1 SST or 1 RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Run one month after starting treatment, then every 3 to 4 months, more often if patient's condition dictates.

Diazepam-TDM 4004

Updated: 1/31/2018

ALT (Alanine Transaminase)
AST (Aspartate Transaminase)

Total Bilirubin
ALP (Alkaline Phosphatase)

Specimen Required: 1 SST or 1 RTT, 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Run after 5 days, 15 days, then every 3 to 6 months.

General Panel

Digoxin-TDM 5007

Updated: 1/31/2018

Digoxin
Blood Urea Nitrogen (BUN)

Creatinine
Potassium

Specimen Required: 1 RTT (do not use SST for collection)

Draw sample 4-8 hours after last dose.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run 3 to 5 days after starting or changing dose then every 4 to 6 months.

Diuretics-TDM 5017

Updated: 1/22/2018

Blood Urea Nitrogen (BUN)
Creatinine
Sodium

Chloride
Potassium

Specimen Required: 1 SST or 1 RTT, 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run 1 week after starting drug or adjusting dose, then 1 month later. Thereafter, every 3 to 6 months.

Electrolyte Screen 16

Updated: 1/22/2018

Sodium
Potassium
Chloride

Carbon Dioxide (CO2)
Anion Gap
Sodium/Potassium Ratio

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Fecal Parasite Screen Combo w/IFA 2409

Updated: 2/2/2018

Fecal Parasite Screen Combo

Giardia/Cryptosporidium (IFA)

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter OK).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.
- 2) Microscopic examination of the processed specimen to detect ova and parasites.
- 3) IFA microscopic exam for Giardia/Crypto.

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts.

The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidium that are associated with birds and reptiles.

To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

Fluoxetine (Prozac)-TDM 5022

Updated: 1/22/2018

Glucose
ALT (Alanine Transaminase)

ALP (Alkaline Phosphatase)

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 1 month, then every 3 to 6 months

General Panel

General Diagnostic 2

Updated: 1/22/2018

CBC w/Differential

Chemistry Screen

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Diagnostic w/T4 and TSH Canine 2072

Updated: 1/30/2018

Chemistry Screen
CBC w/Differential

Total T4
TSH Canine

Specimen Required: 1 LTT, 2 Air dried peripheral blood smears
1 SST or RTT with 1.0 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Diagnostic w/Total T4 77

Updated: 1/28/2018

CBC w/Differential
Chemistry Screen

Total T4

Specimen Required: 1 LTT, 2 Air dried peripheral blood smears
1 SST or RTT with 1.0 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Diagnostic, Follow-up 72

Updated: 1/22/2018

CBC w/Differential

Chemistry Screen

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Glucocorticoids-TDM 5019

Updated: 1/25/2018

Glucose
Sodium
Potassium
Calcium

Phosphorus
Total Protein
Albumin
ALT (Alanine Transaminase)

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 2 weeks, 1 month, then every 2 to 4 months
Glucocorticoids include Prednisone, Prednisolone, Dexamethasone, etc.

Immune Anemia Panel 13

Updated: 1/22/2018

CBC w/Differential
Platelet Count

Coombs
Reticulocyte Count

Specimen Required: 1 LTT
Air dried peripheral blood smears

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: Coombs performed in the afternoons, reported that PM.
Canine and Feline only.
Note: Discontinue Corticosteroid use a minimum 2-3 weeks prior to testing. Corticosteroids can cause false negative Coombs results.

General Panel

Liver Chemistry Panel 1084

Updated: 1/22/2018

Albumin
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
Bilirubin, Direct
Bilirubin, Indirect
Bilirubin, Total
GGT (Gamma-glutamyltransferase)
Total Protein
Globulin
A/G Ratio
Pre Bile Acids Sample
Post Bile Acids Sample

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
and
1 SST or RTT for post bile acids
Minimum: 0.1 mL serum

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP or blood ammonia. Helpful in assessing liver function. Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Liver Profile 85

Updated: 1/22/2018

CBC w/Differential
Albumin
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
AST (Aspartate Transaminase)
Bilirubin, Direct
Bilirubin, Indirect
Bilirubin, Total
GGT (Gamma-glutamyltransferase)
Total Protein
Globulin
A/G Ratio
Pre Bile Acids Sample
Post Bile Acids Sample

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
and
1 SST or RTT for post bile acids sample
Minimum: 0.1 mL serum

Pre Sample: 12 hour fasting sample
Post Sample: 2 hour post prandial

Bile acids testing is used in place of BSP or blood ammonia. Helpful in assessing liver function. Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

L-thyroxine-TDM 5021

Updated: 1/22/2018

CBC w/Differential
Total T4
Cholesterol

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.3 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 1 month, then every 3 to 6 months.
(Levothyroxine, Soloxine)

Methimazole-TDM I 4001

Updated: 1/23/2018

CBC w/Differential
Blood Urea Nitrogen (BUN)
Creatinine
ALT (Alanine Transaminase)
ALP (Alkaline Phosphatase)
Total T4
Urine Specific Gravity

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or 1 RTT, 0.5 mL serum
Urine, 1 mL

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run at 1 month, then every 4 to 6 months.
Generic: Methimazole, Brand: Tapazole

Methimazole-TDM II 4007

Updated: 1/23/2018

CBC w/Differential
Total T4
ALT (Alanine Transaminase)
ALP (Alkaline Phosphatase)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run at 1 month, then every 4 to 6 months.
Generic: Methimazole, Brand: Tapazole

General Panel

NSAIDS-TDM 5009

Updated: 1/22/2018

CBC w/Differential
Blood Urea Nitrogen (BUN)
Creatinine
ALT (Alanine Transaminase)
ALP (Alkaline Phosphatase)

Total Bilirubin
Total Protein
Albumin
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run after 2 weeks, 1 month and then every 3 to 6 months

NSAIDS include: Rimadyl, Ectogesic, Deramaxx, Metacam, Xubrin, Pericox

Oncology Profile 8502

Updated: 1/22/2018

CBC w/Differential
Glucose
Blood Urea Nitrogen (BUN)
Creatinine

Total Protein
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
Calcium

Specimen Required: 1 LTT
1 SST or RTT
Minimum: 0.3 mL serum
Air dried peripheral blood smears

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: This test is for monitoring effects of chemotherapy.

Ova and Parasite Combo w/IFA 2213

Updated: 2/2/2018

Ova and Parasite

Giardia/Cryptosporidium (IFA)

Specimen Required: Fresh feces
Minimum: 10 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter ok).

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences.
- 2) Microscopic examination of the processed specimen to detect ova and parasites.
- 3) IFA microscopic examination for Giardia/Crypto.

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts.

The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidium that are associated with birds and reptiles.

To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

Phenobarbital-TDM 5008

Updated: 1/22/2018

CBC w/Differential
Phenobarbital, Single Sample
Total Bilirubin
Albumin
ALT (Alanine Transaminase)

AST (Aspartate Transaminase)
Total Protein
ALP (Alkaline Phosphatase)
GGT (Gamma-glutamyltransferase)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 RTT (for phenobarbital) Do not use SST for collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run every 6 months

General Panel

Pre-op Panel 850

Updated: 1/22/2018

CBC w/Differential
Glucose
Blood Urea Nitrogen (BUN)
Creatinine

Total Protein
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)

Specimen Required: 1 LTT
1 SST or RTT (microtainer for avian)
Minimum: 0.2 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Pre-op Panel, Follow-up 1851

Updated: 1/22/2018

CBC w/Differential
Glucose
Blood Urea Nitrogen (BUN)
Creatinine

Total Protein
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)

Specimen Required: 1 LTT
1 SST or RTT
Minimum: 0.2 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Pre-op Panel, Special 81

Updated: 1/22/2018

Hematocrit (HCT)
Glucose
Blood Urea Nitrogen (BUN)

Creatinine
ALT (Alanine Transaminase)

Specimen Required: 1 LTT
1 SST or RTT (microtainer for avians)
Minimum: 0.2 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Renal Panel I 5015

Updated: 1/23/2018

Hematocrit (HCT)
Blood Urea Nitrogen (BUN)
Creatinine
Potassium

Calcium
Phosphorus
Urinalysis

Specimen Required: 1 LTT
1 SST or RTT, 0.3 mL serum
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run every 3 to 6 months depending on clinical signs/stage.

Renal Panel II 5016

Updated: 1/25/2018

CBC w/Differential
Blood Urea Nitrogen (BUN)
Creatinine
Potassium

Calcium
Phosphorus
Urinalysis
Urine Protein/Creatinine Ratio

Specimen Required: 1 LTT, 2 blood smears, 1.0 ml serum, SST or RTT, 5 ml Urine

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run every 3 to 6 months depending on clinical signs.

Renal Panel, Basic 5116

Updated: 1/22/2018

Blood Urea Nitrogen (BUN)
Creatinine

Urinalysis

Specimen Required: 1 SST or 1 RTT
Minimum 0.1 mL serum
5 mL urine; indicate method of collection

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Panel

Renal Profile 5025

Updated: 1/22/2018

Hematocrit (HCT)
Creatinine
Potassium
Calcium
Phosphorus
Blood Urea Nitrogen (BUN)

Specimen Required: 1 LTT
1 SST or RTT, 0.3 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Run every 3 to 6 months depending on clinic signs.

Senior Screen 11

Updated: 1/25/2018

Glucose
Blood Urea Nitrogen (BUN)
Creatinine
Potassium
ALP (Alkaline Phosphatase)
ALT (Alanine Transaminase)
Total T4
Phosphorus

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Senior Screen w/TSH Canine 2071

Updated: 1/25/2018

ALP (Alkaline Phosphatase)
Blood Urea Nitrogen (BUN) and
Creatinine
Glucose
Phosphorus
Calcium
ALT (Alanine Transaminase)
Total T4
TSH Canine

Specimen Required: 1.0 ml serum, SST or RTT

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Special Profile 861 861

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase
Lipase

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT, 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Thyroid Screen, (other than canine/feline) 67

Updated: 1/28/2018

T3 (Triiodothyronine)
Total T4

Specimen Required: 1 RTT or SST
Minimum: 1 mL serum

Day(s) Test Set Up: Monday through Saturday
(PM)

Reported Time: Same Day

Total Body Diagnostic 3

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase
Lipase
Creatine Kinase (CK)
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Panel

Total Body Diagnostic, Follow-up 1003

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)
Urinalysis

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Total Body Diagnostic, w/o UA 35

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Total Body Diagnostic, w/o UA, Follow-up 1035

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Amylase

Lipase
Creatine Kinase (CK)

Specimen Required: 1 LTT
Air dried peripheral blood smears
1 SST or RTT
Minimum: 0.5 mL serum
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Submit within 30 days of original test. Previous case ID is required to activate the discounted price.

Wellness I 1710

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)

Amylase
Lipase
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

General Panel

Wellness II 1711

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
Urinalysis
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Wellness III 1712

Updated: 1/22/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
Free T4
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Wellness IV 1713

Updated: 1/31/2018

CBC w/Differential
Chemistry Screen
Creatine Kinase (CK)
Amylase

Lipase
Free T4
Urinalysis
Total T4

Specimen Required: 1 SST or RTT, 0.5 mL serum
1 LTT
Air dried peripheral blood smears
1 GTT (A grey top tube is not necessary if the SST submitted has complete separation after centrifugation, or the RTT is centrifuged and serum is transferred to a transport tube.)
5 mL urine; indicate method of collection.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

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**4Dx Plus (Tick Born Disease Screen)
387**

RIM

Updated: 1/30/2018

Specimen Required: 0.5 mL serum SST/RTT

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: For the detection of *Dirofilaria immitis* antigen, antibody to *Anaplasma phagocytophilum*/*Anaplasma platys*, antibody to *Ehrlichia canis*/*Ehrlichia ewingii*.

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Acid Fast Stain (Acid Fast Bacteria)
501

Stain, Microscopic Exam Updated: 2/4/2018

Specimen Required: Bacterial culture swab with transport medium, tissue, feces, mucosal scraping, aspirate

OR

Air-dried slides prepared with a thin film of one of the above.

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday (AM)

Reported Time: 1 Day

Comments: Positive results reported as Acid fast bacteria observed.

ACTH Plasma
697

Chemiluminescent Assay Updated: 2/4/2018

Specimen Required: 1 LTT
1.0 mL plasma, spin down immediately and separate from cells.
Freeze as soon as possible.

Day(s) Test Set Up: Monday, Wednesday, Friday (AM)

Reported Time: Same Day

Test Alias: Endogenous ACTH

Comments: Frozen Plasma stable for 14 days. Avoid grossly hemolysed and/or lipemic samples.

See report for reference ranges.

ACTH Response (2 Cortisol samples)
39

Chemiluminescent Assay Updated: 2/4/2018

Specimen Required: 1 RTT, each sample, pre and post
Minimum: 0.5 mL serum, each sample

DO NOT USE SST TO COLLECT OR SPIN DOWN SAMPLE

CANINE PROTOCOL:

1. Collect a resting sample in a RTT, 0.5 mL of serum is required. Separate serum (RTT,CTT) if possible and refrigerate.
2. Inject 0.25 mg (250 ug) of Cortrosyn IM or IV (1 vial).
3. Collect a second sample EXACTLY 1 HOUR post injection in RTT, label clearly as to the collection status (post), and preserve in the same manner as the first sample.

NOTE: The test has been validated using Cortrosyn. Although compounded gels are available, they vary greatly in peak times and are not recommended.

ALTERNATE CANINE PROTOCOL (Microdose):
In order to keep Cortrosyn costs down, use the specific dose of 5 ug/kg IV - up to the maximum dose of 250 ug (one vial) per dog. Whatever is left over can then be split into aliquots of 25 ug or 50 ug using small plastic syringes. Normally 1 mL of sterile physiologic saline is used as diluent. If so, 25 ug would be 100 uL or 0.1 mL and 50 ug would be 200 uL or 0.2 mL. The aliquots can then be frozen for up to 6 months with no loss of activity as long as they are not thawed and refrozen.

FELINE PROTOCOL: See ACTH Response - Feline (3 cortisol samples), test #1039.

Normal Test Value: Canine:
Pre: 0 - 10 ug/dL
Post: 8 - 22 ug/dL
> 25 ug/dL:
(hyperadrenocorticism/stress response)
< 2 ug/dL:
(hypoadrenocorticism)

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Pre and Post sample required.

In addition to diagnosis of naturally occurring hyperadrenocorticism

(Cushing's disease), this is the only diagnostic test for hypoadrenocorticism (Addison's disease), iatrogenic hyperadrenocorticism, and monitoring response to medical therapy of Cushing's disease.

Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. Recommend these drugs be discontinued at least 48 hrs before testing. If the patient has been on steroids >14 days, discontinue steroids for two weeks prior to testing. If <14 days, discontinue for 48 hours prior to testing.

INTERPRETATION

HYPOADRENOCORTICISM:

Pre and post cortisol <2 ug/dL are supportive of hypoadrenocorticism but need to be interpreted in light of other clinical findings and history.

Failure to stimulate can occur with iatrogenic hyperadrenocorticism, dogs being treated for hyperadrenocorticism and Addison's disease.

**ACTH Response, Feline
1039**

Chemiluminescent Assay

Updated: 2/4/2018

Specimen Required: 3 RTT,CTT Minimum: 0.5 mL for each sample, Pre, 30 minutes post, 60 minutes post

DO NOT USE SST TO COLLECT OR SPIN DOWN SAMPLE

FELINE PROTOCOL:

NOTE: Feline hyperadrenocorticism is very rare and a dexamethasone suppression test is recommended to establish the diagnosis. We suggest consulting with an internist/clinical pathologist at the Laboratory prior to diagnostic testing.

Dexamethasone suppression test is the favored diagnostic test for hyperadrenocorticism in cats.

1. Collect a resting sample in a RTT or CTT, 0.5 mL of serum is required. Separate serum if possible and refrigerate.
2. Inject 0.125 mg of Cortrosyn IM or IV, (1/2 vial).
3. Collect a sample exactly 30 min and 60 min post injection in a RTT or CTT, label clearly as to the status (post-30, post60), and preserve in the same manner as the first sample.

Normal Test Value: Healthy:
Pre 0.5-6 ug/dL Post 5-15 ug/dL
Hypoadrenocorticism:
<2 ug/dL

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: Pre and 2 post samples required.

Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. If the patient has been on steroids >14 days, discontinue steroids for two weeks prior to testing. If <14 days, discontinue for 48 hours prior to testing.

Iatrogenic hyperadrenocorticism can occur with long term glucocorticoids or progestins (e.g. megestrol acetate). These cats will have low to undetectable cortisol, failure to stimulate and low ACTH concentrations. They do not have abnormal electrolyte concentrations as

Activated Clotting Time (ACT) Tube 806

Performed in Clinic or Field

Updated: 2/2/2018

Specimen Required: Special tubes containing diatomaceous earth are available from the Laboratory which can be used in the clinic or field as a general screen for problems with the intrinsic coagulation pathway. Abnormal results indicate the need for complete coagulation screen which can provide more definitive information.

PROTOCOL:

1. Tube should be pre-warmed to 37 degrees C (body temperature) in a water bath, held in hand, or placed close to the body.
2. Draw 2 mL fresh venous blood into warmed tube. Start timer when blood first enters tube.
3. Invert tube 5 times to mix the whole blood with activating agent and then keep warm at 37 degrees C.
4. Observe tube every 5 seconds by tilting to monitor for the first unmistakable but non-solid clot.
END POINT - STOP TIMER.

NOTE: The time to first clot is temperature dependent. Keep tube at or near 37 degrees C. during test.

Best results are obtained when the sample is collected using the vacutainer blood collection system. After inserting the needle into the vein, draw 1-3 mL of whole blood into another tube (lavender or red top) which can be used for other tests or discarded. Tissue thromboplastin is trapped in this tube which may have been present in the needle following venipuncture.

Normal Test Value: Equine - within 2 - 2.5 min
Canine - less than or equal to 100 seconds
Feline - less than or equal to 90 seconds
INTERPRETATION: Prolonged values are associated with marked thrombocytopenia (<10,000 /uL) platelet function disorders(very rare) and abnormalities in the intrinsic and common pathway. If abnormal a coagulation panel with CBC is recommended.

Comments: Price listed is for cost of tube provided by the Laboratory.

Activated Partial Thromboplastin Time (APTT) 343

Endpoint Clot Detection

Updated: 2/4/2018

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, If collecting a smaller volume of blood, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Normal Test Value: Canine: 7.0 - 18.0 seconds
Feline: 7.6 - 25.2 seconds
Equine: 25.0 - 45.0 seconds

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Test Alias: APTT
Partial Thromboplastin Time (PTT)

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.
This test is included in Coagulation Panels I, II, and III (see Specialty Panels - General).

Albumin**101**

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum**Normal Test Value:** See Report**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** Same Day**ALP (Alkaline Phosphatase)****102**

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum**Normal Test Value:** See Report**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** Same Day**ALT (Alanine Transaminase)****129**

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or RTT
Minimum: 0.1 mL serum**Normal Test Value:** See Report**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** Same Day**Amylase****103**

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum**Normal Test Value:** See Report**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** Same Day**Amylase and Lipase****22**

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or RTT, 1 mL serum
Minimum: 0.2 mL serum**Normal Test Value:** See Report**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** Same Day**Amylase and Lipase, Add-on****62**

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or RTT, 1 mL serum
Minimum: 0.2 mL serum**Normal Test Value:** See Report**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** Same Day**Comments:** Available as add-on to an existing panel.
Previous case ID is required to activate
the discounted price.**ANA (Antinuclear Antibody), Canine/Feline****602**

IFA Updated: 1/28/2018

Specimen Required: 1 SST or RTT, 1 mL serum
Minimum: 0.2 mL serum

Steroids will affect this test result.

Normal Test Value: Negative**Day(s) Test Set Up:** Tuesday, Thursday
(AM)**Reported Time:** Same Day**Test Alias:** Antinuclear Antibody (ANA)
Canine/Feline**Comments:** If positive, confirmatory titer run
Wednesday and Friday.

**ANA, Add-On
242**

IFA Updated: 1/31/2018

Specimen Required: 1 SST or RTT, 1 mL serum
Minimum: 0.2 mL serum

Steroids will affect this test result.

Day(s) Test Set Up: Tuesday, Thursday
(AM)

Reported Time: Same Day

Comments: If positive, confirmatory titer run
Wednesday and Friday.

**Antinuclear Antibody (ANA) Canine/Feline
602**

IFA Updated: 1/28/2018

Specimen Required: 1 SST or RTT, 1 mL serum
Minimum: 0.2 mL serum

Steroids will affect this test result.

Normal Test Value: Negative

Day(s) Test Set Up: Tuesday, Thursday
(AM)

Reported Time: Same Day

Test Alias: ANA (Antinuclear Antibody),
Canine/Feline

Comments: If positive, confirmatory titer run
Wednesday and Friday.

**APTT
343**

Endpoint Clot Detection Updated: 2/4/2018

Specimen Required: 1 BTT, Centrifuge, separate plasma and
refrigerate.

Citrate tubes (BTT) provided by
Phoenix Laboratory hold 2.7 mL of
blood. Tubes filled with less than 2.0
mL whole blood (approximately half full)
have excess anticoagulant for the
volume of blood which may affect the
PT and APTT results. If collecting a
smaller volume of blood, <2.0 mL, the
blood to anticoagulant ratio should be
9:1.

THE RATIO OF BLOOD TO
ANTICOAGULANT IS CRITICAL FOR
VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT
(blue top, buffered sodium citrate tube)
until full. Gently mix by inverting 4-5
times. NO CLOTTING SHOULD BE
OBSERVED IN THE TUBE. Please
remember, If collecting a smaller
volume of blood, the blood to
anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond
the top of the tube label.

2. Cool to 4 degrees C (refrigerator
temperature), until analysis.

3. If delay greater than 24 hours is
expected prior to analysis, the BTT
should be spun in a centrifuge, the
plasma separated and placed in a plain
plastic vial to be frozen until analysis.

Normal Test Value: Canine: 7.0 - 18.0 seconds
Feline: 7.6 - 25.2 seconds
Equine: 25.0 - 45.0 seconds

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Activated Partial Thromboplastin Time
(APTT)
Partial Thromboplastin Time (PTT)

Comments: Citrate tubes (BTT) provided by
Phoenix Laboratory hold 2.7 mL of
blood. Tubes filled with less than 2.0
mL whole blood have excess
anticoagulant for the volume of blood
which may affect the PT and APTT
results. If collecting a smaller volume
of blood, blood to anticoagulant ratio
should be 9:1.
This test is included in Coagulation
Panels I, II, and III (see Specialty

Panels - General).

**AST (Aspartate Transaminase)
128**

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or 1 RTT
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

**Avian/Nonmammalian Hematocrit
356**

Centrifugation Updated: 1/22/2018

Specimen Required: 1 M-GRNTT or 1 M-LTT or
1 heparin capillary tube

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: Included in a CBC.

**Avian/Nonmammalian WBC Estimate and
Differential
930**

Manual Updated: 1/22/2018

Specimen Required: Air dried blood smears.
Thoroughly dry slides before inserting
into slide holders.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: WBC Estimate and Differential,
Avian/Nonmammalian

**Avian/Reptile CBC
36**

Manual Updated: 2/4/2018

Specimen Required: 1 M-GRNTT or 1 M-LTT
Air dried peripheral blood smears
Minimum: 100 uL whole blood for CBC

If you are able to submit a green microtainer, a WBC count and estimate from the slide made here will be performed. If you send peripheral blood smears, a WBC estimate will be done from review of the peripheral blood smears.

The WBC count that looks most accurate will be reported. It is always best to submit well-prepared, fresh, air-dried peripheral blood smears with your blood sample to prevent cell lysis and cell clumping.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: CBC, Avian/Nonmammalian

Comments: Includes WBC, differential, and hematocrit
Available as a "follow-up" to be performed within 30 days of original CBC. Previous case ID is required to activate the discounted price.

**Avian/Reptile CBC, Follow-Up
1036**

Manual / Centrifugation Updated: 2/2/2018

Specimen Required: 1 M-GRNTT or M-LTT
Air dried peripheral blood smears
Minimum: 100 uL whole blood for CBC.

If you are able to submit a green microtainer, a WBC count and estimate from the slide made here will be performed. If you send peripheral blood smears, a WBC estimate will be done from review of the peripheral blood smears. The WBC count that looks most accurate will be reported. It is always best to submit well-prepared, fresh, air-dried peripheral blood smears with your blood sample to prevent cell lysis and cell clumping.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Includes CBC, differential, and hematocrit.

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Bile Acids**104**

Spectrophotometry

Updated: 2/4/2018

Specimen Required: 1 SST or 1 RTT
Minimum: 0.1 mL serum

Label either "Pre" or "Post"

Pre Sample: 12 hour fasting sample
or
Post Sample: 2 hour post prandial

Use a standard meal such as CD. Post prandial values in normal dogs/cats do not usually exceed 20 umol/L.

Normal Test Value: See Report**Day(s) Test Set Up:** Monday through Sunday (AM/PM)**Reported Time:** Same Day

Comments: This is a single sample evaluation, Pre OR Post sample. If BOTH Pre and Post are needed, order Panel #46 (Bile Acids Panel). See Specialty Panels-General for collection instructions.

Minimum recommendations = Feeding 2 tsp <10 LBS, 2 tbsp > 10 LBS of canned, high quality food.

GI motility abnormalities such as vomiting or diarrhea may affect results.

If bilirubin is elevated then bile acids are not necessary; they will be increased as well.

PLEASE NOTE: The animal should be off Actigall (Ursodiol) 48 hours prior to running a bile acids study.

Bilirubin, Direct**106**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST
Minimum: 0.1 mL serum

Normal Test Value: See Report**Day(s) Test Set Up:** Monday through Sunday (AM/PM)**Reported Time:** Same Day**Comments:** Add-on performed at N/C**Bilirubin, Indirect****135**

Mathematical Calculation

Updated: 1/22/2018

Specimen Required: 1 SST
Minimum: 0.1 mL serum

Normal Test Value: See Report**Day(s) Test Set Up:** Monday through Sunday (AM/PM)**Reported Time:** Same Day

Comments: Total Bilirubin - Direct Bilirubin = Indirect Bilirubin

Bilirubin, Total**105**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST
Minimum: 0.1 mL serum

Normal Test Value: See Report**Day(s) Test Set Up:** Monday through Sunday (AM/PM)**Reported Time:** Same Day**Blood Smear Evaluation****250**

Peripheral Blood Smear

Updated: 2/4/2018

Specimen Required: 1 LTT
Air dried peripheral blood smears

Normal Test Value: See Report**Day(s) Test Set Up:** Monday through Sunday (AM/PM)**Reported Time:** Same Day

Comments: Includes evaluation of RBC & WBC morphology, platelets, parasites, and slide review.

Blood Typing, Canine - DEA 1**610**

RIM

Updated: 1/25/2018

Specimen Required: 1 LTT
Minimum: 1 mL whole blood

Normal Test Value: Reported DEA 1 Positive or DEA 1 Negative**Day(s) Test Set Up:** Monday through Saturday (AM)**Reported Time:** Same Morning

Comments: Types for DEA 1 only. Call the Lab for universal blood donor information.

Blood Typing, Feline**611**

Agglutination

Updated: 1/22/2018

Specimen Required: 1 LTT
Minimum: 1 mL whole blood

Normal Test Value: Reported as A, B, or AB

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Blood Urea Nitrogen (BUN)**108**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST or 1 RTT,
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Blood Urea Nitrogen (BUN) and Creatinine**48**

Spectrophotometry

Updated: 1/22/2018

Specimen Required: 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Test includes BUN and Creatinine only,
no ratio.

Brucella Screen, Canine**201**

IFA

Updated: 1/22/2018

Specimen Required: 1 SST or 1 RTT
Minimum: 0.5 mL serum

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: Positive results should be confirmed by
AGID. This is a send-out test to Cornell
University (SO4 - Brucellosis
Confirmation). Additional charges will
apply. This will not be sent without
client approval.

Calcium 110

Spectrophotometry

Updated: 1/23/2018

- Specimen Required:** 1 SST
Minimum: 0.1 mL serum
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day

Cancellation Fee 188

Updated: 1/25/2018

- Comments:** Cancellation fee is charged for technical time and supplies if a test request is cancelled after it has been set up, or if a Histology request is cancelled after the point of tissue embedding.

Canine Dexamethasone Suppression 38

Chemiluminescent Assay

Updated: 2/4/2018

- Specimen Required:** Specimen Required: 3 - RTT, minimum 0.5 mL serum Drawn as Pre, 4 our post and 8 hour post injection.

DO NOT USE SST TO COLLECT OR SPIN DOWN SAMPLE

PLEASE NOTE: Submit all three samples together. Centrifuge, separate serum into a sterile transport tube (RTT,CTT), and refrigerate or freeze until transport to the Lab.

NOTE: During the low dose dexamethasone suppression test, patient stress should be kept to a minimum. No other diagnostic procedures or grooming should be performed during the testing period.

PROTOCOL (Canine):

Low Dose:

1. Collect 0.5 mL serum pre-injection. (RTT,CTT)

2. Inject 0.01 mg/kg dexamethasone sodium phosphate IV.

3. Collect 2 post samples at 3-4 and 8 hours post injection. (RTT,CTT)

High Dose:

1. Collect 0.5 mL serum pre-injection. (RTT,CTT)

2. Inject 0.1 mg/kg dexamethasone sodium phosphate IV.

3. Collect 2 post samples at 4 and 8 hours post injection. Label each tube accordingly. (RTT,CTT)

DO NOT FREEZE SPECIMENS IN GLASS TUBES.

Normal Test Value: SEE COMMENTS

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Dexamethasone Suppression

Comments: A dexamethasone suppression is done to CONFIRM clinical suspicion of hyperadrenocorticism. Stressful diseases (ill diabetics, renal failure, etc.) and current drug therapy may cause false positives.

Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. Long term steroid

therapy will suppress adrenal function. Recommend these drugs be discontinued at least 48 hrs before testing. If the patient has been on steroids >14 days, discontinue steroids for two weeks prior to testing. If <14 days, discontinue for 48 hours prior to testing.

Extra charge for more than 3 samples - please call the Laboratory for information.

LDDST INTERPRETATION:

Confirmation of hyperadrenocorticism:

Normal: 8 hr post < 1.0 ug/dL

Hyperadrenocorticism:

8 hr post > 1.4 ug/dL

Equivocal: 8 hr post 1.0-1.4 ug/dL

Discrimination (pituitary dependent vs primary adrenal disease) - Only if the 8 hr post is >1.4 ug/dL and there is a clinical suspicion of hyperadrenocorticism, then pituitary dependent disease is confirmed if:

- 1) 4 hr cortisol is <1.4 ug/dL
- OR
- 2) 4 hr or 8 hr cortisols are less than 50% of the baseline (but 8 hr still >1.4 ug/dL).

Note:

Up to 40% of pituitary dependent and adrenal dependent hyperadrenocorticoid dogs do not show suppression. These dogs require HDDST, ACTH concentrations and/or abdominal imaging for further characterization.

HDDST INTERPRETATION: A high dose dexamethasone suppression test (HDDST) is done on previously confirmed cases of hyperadrenocorticism to help determine the origin (i.e. pituitary or adrenal gland).

*If the 8 hr post-dex cortisol is < 1.4 ug/dL or <50% of the baseline, then pituitary dependent disease is confirmed.

If the 8 hr result is \geq 1.4 ug/dL or >50% of baseline, then the origin may be either pituitary or adrenal gland. Further testing (e.g. endogenous ACTH, diagnostic imaging) might be

Carbon Dioxide (CO₂)

111

Spectrophotometry

Updated: 1/28/2018

Specimen Required: 1 SST or RTT, 1 mL serum
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Total CO₂ is an estimate of serum bicarbonate.

CBC w/Diff, Fibrinogen, Plasma Protein

34

Refractometry/Flow Cytometry

Updated: 1/22/2018

Specimen Required: 1 LTT
Air dried peripheral blood smears

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

CBC w/Differential

44

Flow Cytometry

Updated: 1/22/2018

Specimen Required: 1 LTT
Air-dried smears

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Available as a follow-up if ordered within 30 days of original sample.

CBC w/Differential and Plasma Protein

24

Refractometry/Flow Cytometry

Updated: 1/22/2018

Specimen Required: 1 LTT
Air dried peripheral blood smears

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Plasma Protein and CBC w/Differential

CBC, Avian/Nonmammalian**36**

Manual

Updated: 2/4/2018

Specimen Required: 1 M-GRNTT or 1 M-LTT
Air dried peripheral blood smears
Minimum: 100 uL whole blood for CBC

If you are able to submit a green microtainer, a WBC count and estimate from the slide made here will be performed. If you send peripheral blood smears, a WBC estimate will be done from review of the peripheral blood smears.

The WBC count that looks most accurate will be reported. It is always best to submit well-prepared, fresh, air-dried peripheral blood smears with your blood sample to prevent cell lysis and cell clumping.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Avian/Reptile CBC

Comments: Includes WBC, differential, and hematocrit
Available as a "follow-up" to be performed within 30 days of original CBC. Previous case ID is required to activate the discounted price.

CBC, Follow-up**73**

Flow Cytometry

Updated: 1/22/2018

Specimen Required: 1 LTT
Air dried peripheral blood smears

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: To be performed within 30 days of original CBC.
Previous case ID is required to activate the discounted price.

Cerebrospinal Fluid Analysis**29**

Cytology/Spectrophotometry

Updated: 2/4/2018

Specimen Required: CSF in Lavender Top Tube (LTT)
1 mL preferred
ALSO - Submit CSF in plain Clear Top Tube (CTT) if requesting culture.
Serology can be performed in LTT, CTT, or RTT specimens.

PROTOCOL:

1. To minimize blood contamination, it is recommended to allow the CSF to drip into a small EDTA tube.
2. If a culture is to be performed, a small amount must be placed in a sterile clear top tube (CTT) or on a culturette swab.
3. All CSF specimens receive nucleated cell count, RBC count, glucose, microprotein, and cytology.
4. We request at least 1 mL, but of course, will work with any volume to try to give the most information possible.
5. If only a small amount of CSF is collected (<0.5 mL), please prioritize testing desired.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Test Alias: Cytology, CSF Analysis

Comments: EDTA (Lavender Top Tube) inhibits bacterial growth.
If culture is required, use plain CTT or sterile transport tube.

Chloride**112**

Ion Selective Electrode

Updated: 1/23/2018

Specimen Required: SST, 1 mL serum
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Cholesterol**113**

Spectrophotometry

Updated: 1/22/2018

Specimen Required: SST, 1 mL serum
Minimum: 0.1 mL serum

Normal Test Value: Canine: 150 - 275 mg/dL
Feline: 75 - 175 mg/dL
Equine: 75 - 130 mg/dL

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Clostridium perfringens Enterotoxin (A-E)**529**

ELISA

Updated: 1/22/2018

Specimen Required: Fresh liquid feces in sterile container (RTT)
Refrigerate after collection.
Refrigeration of the specimen will prevent substantial loss of ELISA reactivity, if there is toxin present.
NOTE:
Formed stools are not likely to be positive for this test. Feces collected with a swab most likely will not provide a sufficient amount of material for accurate testing.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: 24 hours

Comments: Intestinal disease caused by *C. perfringens* can occur as a result of food poisoning, antibiotic treatment, a change in diet, or other environmental stresses. The symptoms usually involve diarrhea with fecal mucus. Clostridia are normal in feces of animals, but only the toxigenic strains are capable of causing enteritis and enterotoxemia. For this reason, the recovery of *C. perfringens* on culture or seeing clostridial spores on a stained slide is not diagnostic of a pathogenic state. The enterotoxin must be detected in order to achieve an accurate diagnosis.
This test detects *Clostridium perfringens* enterotoxin (types A-E). To determine which toxins are involved, the pathogen must be isolated and tested. Current methods available for this determination include PCR and injection into live animals (mice or guinea pigs).

Cobalamin (B12)**70**

Chemiluminescent Assay

Updated: 1/31/2018

Specimen Required: 0.5 fasted 12 - 18 hours (diabetic animals 6 - 8 hours) non-hemolyzed serum.

Cobalamin is light sensitive. It is recommended to wrap serum tube in paper or aluminum foil.

Normal Test Value: See Report

Day(s) Test Set Up: Monday, Wednesday, Friday
(AM)

Reported Time: Next Day

Coggins, AGID**614**

AGID

Updated: 1/28/2018

Specimen Required: SST, 1 mL serum or RTT

USDA Equine Anemia Special Form or Global Vet Link Form required. Please print clearly as illegible documents can cause delay. Veterinarian signature REQUIRED on USDA form. Blood tube MUST be labeled with animal's name.

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Up to 48 hours

Test Alias: EIA, AGID

Comments: Ran 1 time per day, Mon - Sat

Coggins, STAT**601**

ELISA

Updated: 1/31/2018

Specimen Required: SST, 1 mL serum or RTT

USDA Equine Anemia Special Form or Global Vet Link Form required. Please print clearly as illegible documents can cause delay. Veterinarian signature REQUIRED on USDA form. Blood tube MUST be labeled with animal's name.

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Test Alias: EIA, ELISA

Comments: Ran 2 times daily Mon - Fri, Sat AM only
See also Coggins (test code #614).

Complex Tissue Histopathology**403**

Histopathology

Updated: 2/4/2018

Specimen Required: Tissue in formalin (at least 10:1 formalin to tissue ration to optimize fixation). If formalin fixation is not available, wrap specimen(s) in moist paper towel and place in plastic bags. Pack with ice. Prevent freezing.

Normal Test Value: Full report provides gross description, microscopic description and interpretation and comments.

Day(s) Test Set Up: Monday, Tuesday, Wednesday, Thursday, Sunday (PM)

Reported Time: 1 - 5 Days / See Comments

Test Alias: Histopathology, Complex Tissue - Full Report

Comments: Complex Tissue:
1 - 4 samples from one site (one surgical site or one organ type) where L+W+H > 15 cm in aggregate.

Each entire organ (examples: brain, heart, lung, spleen, liver, gallbladder, pancreas, 1 kidney, 1 eyeball, 1 ear canal, 1 mammary chain, 1-2 ovaries or testicals).

Each sample requiring decalcification (examples: 1 digit, tail, mandible, maxilla).

Please see Histopathology Explanation Sheet for further information and helpful tips on tissue submission.

Reported Time: Larger samples and bony tissues may require longer fixation of decalcification prior to processing. Exact time of reporting is dependent on tissue size and type.

Coombs**362**

Direct Antiglobulin

Updated: 1/25/2018

Specimen Required: 1 LTT
Minimum: 1 mL EDTA whole blood

Steroids will affect this test result.

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday (AM)

Reported Time: Same Day

Comments: Available to existing canine/feline panels.

Note: Discontinue Corticosteroid use a minimum of 2 - 3 weeks prior to testing. Corticosteroids can cause false negative Coombs results.

Coombs, Add-On**365**

Direct Antiglobulin

Updated: 1/28/2018

Specimen Required: 1 LTT
Minimum: 1 mL EDTA whole blood

Steroids will affect this test result.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday (AM)

Reported Time: Same Day

Comments: Available as add-on to existing canine/feline panels. Previous case ID is required to activate the discounted price. Note: Discontinue Corticosteroid use a minimum 2-3 weeks prior to testing. Corticosteroids can cause false negative Coombs results.

Coronavirus (FIP) Titer, Feline 217

IFA Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum
or
Abdominal Fluid
Minimum: 0.1 mL
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Feline Coronavirus (FIP), IFA Titer
FIP (FCoV) Titered, IFA
- Comments:** This is a quantitative titer testing method. It is NOT specific for FIP.
- Test involves eight serial dilutions ranging from 1:100 to 1:25,600.

Coronavirus Screen (FIP), Feline 209

IFA Updated: 1/31/2018

- Specimen Required:** 1 SST or 1 RTT
0.5 mL serum
Minimum: 0.1 mL serum
or
Abdominal Fluid
Minimum: 0.1 mL
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Feline Coronavirus (FIP), Screen
FIP (FCoV) Screen, IFA
- Comments:** This test is NOT specific for FIP.
- Testing performed at dilutions of 1:100 and 1:6400.

Coronavirus Titer, Canine 613

IFA Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT
0.5 mL serum
Minimum: 0.1 mL serum
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Comments:** This test screens for antibodies to canine coronavirus.

Cortisol/Creatinine Ratio 234

Chemiluminescent Updated: 2/4/2018

- Specimen Required:** Urine, 3-4 mL
Please use urine tubes for transport.
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day
- Test Alias:** Urine Cortisol/Creatinine Ratio
- Comments:** High urine cortisol/creatinine ratio (> 20 x 10⁻⁶) provides additional support for canine hyperadrenocorticism but is not specific for that condition. Many disorders cause an increased result. If not increased, hyperadrenocorticism is extremely unlikely.

If the patient has been on steroids for >14 days, discontinue for 2 weeks prior to testing. If <14 days, discontinue for 48 hours prior to testing.

If there is a high clinical suspicion of Cushing's disease, consider an ACTH response test to measure steroid hormones (atypical Cushing's).

Note that both cortisol and creatinine have been converted to moles to get this ratio.

Creatine Kinase (CK) 116

Spectrophotometry Updated: 1/23/2018

- Specimen Required:** 1 SST or RTT, 1 mL serum
Minimum: 0.1 mL
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day

Creatinine 115

Spectrophotometry Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT, 0.5 mL serum
Minimum: 0.25 mL
- Normal Test Value:** Canine: 0.6 - 1.6 mg/dL
Feline: 1.0 - 2.0 mg/dL
Equine: 1.2 - 2.0 mg/dL
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day

Creatinine, Urine**184**

Spectrophotometry

Updated: 1/25/2018

Specimen Required: 1 mL fresh urine
Please use urine tubes for transport.

Normal Test Value: Normals given when ordered with UPCR or UCCR

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Cremation Services**828**

Cremation

Updated: 1/28/2018

Specimen Required: Cremation offered as a follow-up service to necropsy at an additional charge for those animals which have been sent to the Laboratory.

Comments: Cremation services are available for those animals which have been sent to the Laboratory for necropsy. Call Laboratory for pricing.

Crossmatch Complete (Major & Minor)**27**

Tube Agglutination

Updated: 1/22/2018

Specimen Required: Recipient: RTT and LTT
Donor: RTT and LTT

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: Contains Major and Minor Crossmatch. Major: Determines if donor's RBCs are compatible with the recipient's serum. Minor: Determines if donor's plasma is compatible with the recipient's RBCs.

A crossmatch is used prior to transfusion to determine if the blood to be transfused is compatible with the animal that will be receiving the transfusion.

Individual charge for each tested donor. Canine or feline only.

Crossmatch, Major - Canine and Feline**314**

Tube Agglutination

Updated: 1/25/2018

Specimen Required: Recipient: 1 RTT
Donor: 1 LTT

serum and plasma must be free from hemolysis.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: Determines if donor's RBCs and recipient's plasma are compatible.

See also Crossmatch Complete (Major and Minor) test #27.

Crossmatch, Minor - Canine and Feline**313**

Tube Agglutination

Updated: 1/25/2018

Specimen Required: Recipient: LTT
Donor: RTT

serum and plasma must be free from hemolysis.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: Determines if donor's plasma and recipient's RBCs are compatible.

See also Crossmatch Complete (Major and Minor) test #27.

CSF Analysis, Multiple Site**1029**

Cytology/Spectrophotometry

Updated: 1/28/2018

Specimen Required: Please see CSF Analysis for collection protocol and notes.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Test Alias: Cytology, CSF, Multiple Site

CSF Microprotein 118

Spectrophotometry Updated: 1/22/2018

- Specimen Required:** 0.3 mL CSF
Please use CTT for transport.
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day
- Test Alias:** Microprotein, CSF

Culture and Sensitivity, Milk 516

Updated: 2/4/2018

- Specimen Required:** 1 mL milk in CTT
- Normal Test Value:** No Growth
- Day(s) Test Set Up:** Monday through Sunday
(AM)
- Reported Time:** 36 - 72 Hours
- Comments:** Results are quantitated and reported as CFU/mL.

Culture ID and Sensitivity, Routine 505

Culture Updated: 1/23/2018

- Specimen Required:** Bacterial culture swab with transport medium.
Fluid in CTT or sterile tube.
Fresh tissue in CTT or sterile tube.
Note: Please moisten with small amount of sterile saline (free of preservative) if piece of tissue is small enough to dehydrate en route to Laboratory.
- Culture site and animal species required for proper processing.
- Normal Test Value:** Varies with culture site.
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** 36 - 60 hours
- Comments:** Sensitivity and gram stain included.
- Do not submit samples in lavender top tube; EDTA is bacteriostatic.

Culture ID/Sensitivity if Indicated, Avian 524

Culture Updated: 2/4/2018

- Specimen Required:** Swab, plate, fluid or tissue
- Normal Test Value:** Varies with source
- Day(s) Test Set Up:** Monday through Sunday
- Reported Time:** 36 - 60 Hours
- Comments:** Screening for gram negative rods, and predominant growth of enterococcus in domestic (non-poultry) birds.
Susceptibilities will automatically be run on up to 2 isolates of gram negative rod for an additional charge per isolate.
Predominant growth of enterococcus will be reported but sensitivity will not be run unless requested.

Includes gram stain.

Culture, Aerobic (Id Only) 512

Culture Updated: 1/22/2018

- Specimen Required:** Transport Swab media or plate.
Fluid or tissue in CTT or sterile tube
- Culture site and animal species required for proper processing.
- Normal Test Value:** Identification only
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** 36 - 60 hours
- Comments:** No sensitivities provided with "ID Only". Additional charge for sensitivities requested.
- For "Fungal ID" order a "Culture, Fungus" (test code 504).
- Do not submit samples in lavender top tube; EDTA is bacteriostatic.

Culture, Aerobic ID/Anaerobic ID**514**

Culture

Updated: 2/4/2018

Specimen Required: Bacterial culture swab with transport medium.
Fluid in CTT or sterile tube.
Fresh tissue in CTT or sterile tube.
Note: Please moisten with small amount of sterile saline (free of preservative) if piece of tissue is small enough to dehydrate en route to Laboratory.

Culture site and animal species required for proper processing.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 72 hours

Comments: ID Only. Sensitivities can be requested on aerobic pathogens for an additional charge. Anaerobic sensitivities are not available.

Includes gram stain.

Culture, Aerobic w/ Sensitivity, Anaerobic ID
500

Culture

Updated: 2/4/2018

Specimen Required: Bacterial culture swab with transport medium
or
fresh tissue in sterile CTT
Note: Please moisten with small amount of sterile saline (free of preservative) if piece of tissue is small enough to dehydrate en route to Laboratory.

Culture site and animal species required for proper processing.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 72 hours

Comments: Aerobic culture includes sensitivities on up to 2 isolates. Anaerobic sensitivities are not available.

Includes gram stain.

Culture, Anaerobic (Id Only)**502**

Culture

Updated: 2/4/2018

Specimen Required: Bacterial culture swab with transport media.

Fluid or tissue in a CTT or sterile tube.

Culture site and species required for proper processing.

Normal Test Value: Varies with culture site.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 48 - 72 Hours

Comments: Anaerobic sensitivities are not available.

Culture, Blood**503**

Culture

Updated: 1/30/2018

Specimen Required: Two aerobic blood culture bottles should be submitted (available upon request). Blood should be drawn from two sites (i.e. left jugular, right saphenous), at least one hour apart.

1. Label each blood culture bottle with the date, time, and draw site.
2. Thoroughly disinfect blood draw sites (shave if needed). Inoculate the bottles with up to 3mL of blood.
NOTE: If less than 3mL is used for inoculation, there may be a delay before the blood culture is detected as positive.
3. After inoculation, the bottles can be incubated at 37 °C, or left at room temperature until pick up. DO NOT REFRIGERATE.
4. Upon receipt, cultures are incubated for 7 days and are subcultured at regular intervals.
5. Anaerobic blood culture bottles are no longer available.

Normal Test Value: No growth

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 24 hr preliminary report

Comments: Culture includes susceptibility panel. Bottles are held 7 days and subcultured at regular intervals.

Culture, Feces**519**

Culture

Updated: 2/4/2018

Specimen Required: Fresh feces OR Fresh mammal feces submitted in enteric transport media (optimal).

Enteric transport media is available from Phoenix Laboratory at no charge. Can also submit fresh mammal feces in clean container or use routine culture swab. Please submit avian and reptile samples as routine culture & sensitivity.

COLLECTION:

1. Specimen should be collected in a dry and clean container. The stool must not be contaminated with urine, water, litter, or organic matter.
2. Mucoïd, bloody, or watery portions of the stool should be sampled if present.
3. Place sample into vial using the attached collection spoon, adding enough specimen to reach the FILL LINE.
4. Carefully break up the specimen using the spoon.
5. Tighten the cap and mix by inversion until it is thoroughly mixed.
6. Label each vial with patient information.
7. Return filled container to the Laboratory WITHOUT refrigeration or incubation.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 60 Hours

Test Alias: Culture, Salmonella
Salmonella Culture (Stool Culture)

Comments: Screening for Salmonella and Campylobacter. Screening for Shigella, Yersinia, and Vibrio available upon requested. Culture includes sensitivities on up to 2 pathogens isolated. Susceptibilities are not performed on Campylobacter.

Culture, Fungal**504**

Culture

Updated: 1/28/2018

Specimen Required: Hair or nail clippings in CTT OR Skin scrapings in CTT OR

Bacterial culture swab with transport medium.
Fluid in CTT or sterile tube.
Fresh tissue in CTT or sterile tube.
Note: Please moisten with small amount of sterile saline (free of preservative) if piece of tissue is small enough to dehydrate en route to Laboratory.

Culture site and animal species required for proper processing.

Normal Test Value: No pathogens

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Preliminary reported at 1 week.

Comments: Updates reported weekly on Sunday. Hair, nail, and skin samples are finalized after 2 weeks. All other samples are finalized after 4 weeks.

Culture, ID and Sensitivity, Equine Uterine**508**

Culture

Updated: 2/4/2018

Specimen Required: Bacterial swab with transport medium

Normal Test Value: No Beta-hemolytic streptococci isolated

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 60 Hours

Comments: Culture includes sensitivities on up to 2 isolates. No growth cultures are finalized after 60 hours of incubation. See combo test #862 Equine Uterine Screen for combo test with uterine cytology.

Culture, Mycoplasma 618

Culture

Updated: 2/4/2018

Specimen Required: Swab in Mycoplasma Transport Media
Exudates from eye, nostril, trachea,
synovial fluid and/or genitals.

Sample collection should be made with synthetic swabs. Cotton tips and wooden stick swabs inhibit growth of Mycoplasma. Media should be frozen or refrigerated before and after collection. Transport to the Laboratory as soon as possible.

Normal Test Value: No Mycoplasma isolated.

Day(s) Test Set Up: Monday through Sunday
(AM)

Reported Time: Preliminary report at 1 week

Comments: Mycoplasma sensitivities are not available. To rule out Ureaplasma, contact our SendOut department, (test #SO111).

Culture, Salmonella 519

Culture

Updated: 2/4/2018

Specimen Required: Fresh feces OR Fresh mammal feces submitted in enteric transport media (optimal).

Enteric transport media is available from Phoenix Laboratory at no charge. Can also submit fresh mammal feces in clean container or use routine culture swab. Please submit avian and reptile samples as routine culture & sensitivity.

COLLECTION:

1. Specimen should be collected in a dry and clean container. The stool must not be contaminated with urine, water, litter, or organic matter.
2. Mucoïd, bloody, or watery portions of the stool should be sampled if present.
3. Place sample into vial using the attached collection spoon, adding enough specimen to reach the FILL LINE.
4. Carefully break up the specimen using the spoon.
5. Tighten the cap and mix by inversion until it is thoroughly mixed.
6. Label each vial with patient information.
7. Return filled container to the Laboratory WITHOUT refrigeration or incubation.

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: 36 - 60 Hours

Test Alias: Culture, Feces
Salmonella Culture (Stool Culture)

Comments: Screening for Salmonella and Campylobacter. Screening for Shigella, Yersinia, and Vibrio available upon requested. Culture includes sensitivities on up to 2 pathogens isolated. Susceptibilities are not performed on Campylobacter.

Culture, Urine w/Sensitivity**506**

Culture

Updated: 2/2/2018

Specimen Required: 1 mL urine in sterile container, (CTT or urine transport tube).

Whenever possible, urine should be collected by cystocentesis. If not possible, collect catheterized or free-catch urine sample into sterile container. Colony counts are not possible if a plate, broth, or swab is submitted. Refrigerate urine sample after collection.

Normal Test Value: No pathogens

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 60 hours

Comments: Culture includes sensitivities on up to 2 isolates. Cultures are quantitated and reported as CFU/mL. No growth cultures are finalized after 48 hours of incubation.

Culture, Urine w/Urinalysis**548**

Macroscopic/Microscopic/Culture

Updated: 2/4/2018

Specimen Required: 1 mL urine in sterile container in addition to 5 mL urine

Whenever possible, urine should be collected by cystocentesis. When this is not possible, free-catch urine into sterile container. Urine collected on a swab will not allow a colony count to be provided. Refrigerate urine sample after collection.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 60 Hours

Test Alias: Urinalysis and Urine Culture w/ Sensitivity

Comments: Culture includes sensitivities on up to 2 isolates. Cultures are quantitated and reported as CFU/mL. No growth cultures are finalized after 48 hours of incubation.

Culture, Urine w/Sensitivity, Add-on**549**

Culture

Updated: 2/4/2018

Specimen Required: 1 mL urine in sterile container (CTT or urine transport tube).

Whenever possible, urine should be collected by cystocentesis. If not possible, collect catheterized or free-catch urine sample into sterile container. Colony counts are not possible if a plate, broth, or swab is submitted. Refrigerate urine sample after collection.

Normal Test Value: No pathogens

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 60 Hours

Comments: Add on test for urine samples that have already been submitted for testing. Must add on test within 7 days of original submission.

Cytology, Body Cavity Fluid**14**

Cytology

Updated: 2/4/2018

Specimen Required: Fluid in 1 LTT
Fluid in 1 plain CTT (if culture required)
Air dried slides
Clinical History

Transtracheal washes and other saline washes are test code Cytology #318 only.

Please specify site.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Test Alias: Cytology, Joint/Synovial Fluid

Comments: Descriptive report contains nucleated cell count, specific gravity, total protein, and cytology. Each additional source is charged \$25.35

Cytology, Bone Marrow 304

Cytology

Updated: 2/4/2018

Specimen Required: 4 - 6 air dried, unstained thin smears of bone marrow and spicule's. Please THOROUGHLY DRY slides before closing transport container. Complete history including concurrent CBC results.

Protocol:

1. Any bone which contains red marrow can be used as a site for aspiration or core biopsy. For small animals, collection sites include proximal femur, humerus, and iliac crest. For adult large animals, collection sites include the sternum, ribs and ilium (tuber coxae).

2. The bone marrow aspiration site should be aseptically prepared and a local or general anesthetic given.

3. Using a bone marrow biopsy needle and stylet make an incision in the skin then advance the biopsy needle and stylet, go through the cortical bone usually 0.5 - 1 cm deep.

4. Remove the stylet and gently aspirate the specimen into sterile syringe containing 0.3 ml of 2-3% EDTA (or no EDTA if using a petri dish). As soon as marrow fills the hub of the syringe, release the plunger and remove the syringe. **ASPIRATION OF A LARGER VOLUME USUALLY RESULTS IN EXCESSIVE CONTAMINATION OF THE MARROW WITH PERIPHERAL BLOOD.**

5. Marrow material is expelled from the EDTA syringe onto a glass slide held at an angle of 45 degrees. Spicules will tend to stick to the slide and contaminating blood will run off. Spicules should be removed with forceps and placed on a glass slide

6. Smears are prepared by gentle squash technique. Slides are pulled apart quickly lengthwise from each other. Let the weight of the top slide spread the bone spicules. **DO NOT PRESS SLIDES TOGETHER. ALLOW SLIDES TO AIR DRY.** Using this technique, make at least 4 slides. Do not refrigerate the marrow slides.

7. Any remaining material should be placed into a small EDTA tube. **NOTE: EVALUATION OF A CBC COLLECTED ON THE SAME DAY OR WITHIN 24 HOURS AS THE MARROW ASPIRATE IS ABSOLUTELY ESSENTIAL FOR AN ACCURATE INTERPRETATION OF THE MARROW FINDINGS**

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Cytology, Bone Marrow (with CBC) 364

Cytology

Updated: 2/4/2018

Specimen Required: 1. 4 - 6 air dried, unstained thin smears of bone marrow. Please THOROUGHLY DRY slides before closing transport container. Complete history including concurrent CBC results.

2. 1 LTT
Air dried peripheral blood smears

Please see collection protocol in Test #304, Bone Marrow Cytology

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Cytology, Buffy Coat 1318

Cytology

Updated: 2/2/2018

Specimen Required: 1 LTT

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Cytology, CSF Analysis 29

Cytology/Spectrophotometry

Updated: 2/4/2018

Specimen Required: CSF in Lavender Top Tube (LTT)
1 mL preferred
ALSO - Submit CSF in plain Clear Top Tube (CTT) if requesting culture.
Serology can be performed in LTT, CTT, or RTT specimens.

PROTOCOL:

1. To minimize blood contamination, it is recommended to allow the CSF to drip into a small EDTA tube.
2. If a culture is to be performed, a small amount must be placed in a sterile clear top tube (CTT) or on a culturette swab.
3. All CSF specimens receive nucleated cell count, RBC count, glucose, microprotein, and cytology.
4. We request at least 1 mL, but of course, will work with any volume to try to give the most information possible.
5. If only a small amount of CSF is collected (<0.5 mL), please prioritize testing desired.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Test Alias: Cerebrospinal Fluid Analysis

Comments: EDTA (Lavender Top Tube) inhibits bacterial growth.
If culture is required, use plain CTT or sterile transport tube.

Cytology, CSF, Multiple Site 1029

Cytology/Spectrophotometry

Updated: 1/28/2018

Specimen Required: Please see CSF Analysis for collection protocol and notes.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Test Alias: CSF Analysis, Multiple Site

Cytology, Joint/Synovial Fluid 14

Cytology

Updated: 2/4/2018

Specimen Required: Fluid in 1 LTT
Fluid in 1 plain CTT (if culture required)
Air dried slides
Clinical History

Transtracheal washes and other saline washes are test code Cytology #318 only.

Please specify site.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Test Alias: Cytology, Body Cavity Fluid

Comments: Descriptive report contains nucleated cell count, specific gravity, total protein, and cytology.
Each additional source is charged \$25.35

Cytology, Lymph Node 318

Cytology

Updated: 1/22/2018

Specimen Required: For collection protocols see: Cytology, Fine Needle Aspirate/Tissue Impression

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Comments: Multiple lymph nodes are charged as one.

Cytology, Routine, Full 318

Cytology

Updated: 2/4/2018

Specimen Required: 3 - 5 Air dried slides, unstained or tissue imprints
Complete history and location of lesion essential for accurate result.

FINE NEEDLE ASPIRATE PROTOCOL:

1. If the cytology is a fine needle aspirate, use a 21g. - 25g. Needle and 3-12 mL syringe depending on material/tissue aspirated. The softer the tissue, the smaller the syringe and needle necessary for aspiration.

2. Insert the needle into the mass (avoid the center of larger lesions as they are apt to be necrotic). In order to get the most representative sample the needle should be directed in at least 3 different directions with suction applied.

3. Release the negative pressure slowly and withdraw the needle from the mass.

4. Remove the needle, fill the syringe with air, replace the needle and force the cellular material onto a slide or slides.

5. Cover the material on the slide with another slide, allow the material to spread and then horizontally pull the slides apart without pressure. This must be done quickly to avoid clot formation.

6. Quickly air dry the slides. DO NOT HEAT FIX. Try to make 3 - 5 slides from each lesion. Do not package the slides for transport until thoroughly dried. Do not refrigerate slides.

7. If the cytology is a paracentesis (abdominal or thoracic), the fluid should be placed in a LTT, and a plain CTT if culture is desired. Direct and sediment smears may also be submitted.

TISSUE IMPRESSION PROTOCOL:

1. Impression smears can be made from an excised mass using the TOUCH IMPRINT TECHNIQUE. Ballot tissue onto paper towel, then onto slides.

2. Quickly air dry the slides. DO NOT HEAT FIX.

3. Do not package the slides for transport until thoroughly dried. Do not refrigerate slides.

Note that impression smears of ulcerated, dermal lesions are often of low diagnostic utility.

Normal Test Value: Descriptive/Interpretative Report

without cell count, specific gravity, or protein concentration.

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Comments: Price shown is for one source.
Additional sources \$25.35 each.

Cytology, Routine, Full, Each Additional Source 318

Cytology

Updated: 2/4/2018

Specimen Required: 3 - 5 air dried slides, unstained or tissue imprints

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Cytology, Routine, Mini 5318

Cytology

Updated: 1/23/2018

Specimen Required: 3 - 5 air dried slides, unstained or tissue imprints

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: These reports will provide diagnosis and comments sections for fine needle aspirates of skin masses, lymph nodes, internal organs, smears of discharges, etc., but will not contain a detailed microscopic description. The mini cytologies are not available for fluid cytologies.

Cytology, Routine, Mini, Additional Source 5318

Cytology

Updated: 2/4/2018

Specimen Required: 3 - 5 air dried slides, unstained or tissue imprints

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: These reports will provide diagnosis and comments sections for fine needle aspirates of skin masses, lymph nodes, internal organs, smears of discharge, etc., but will not contain a detailed microscopic description. The mini cytologies are not available for fluid cytologies.

Cytology, Transtracheal Wash 318

Cytology

Updated: 1/22/2018

Specimen Required: 2 - 4 Air dried slides, unstained
Fluid in LTT
Fluid in CTT (if culture required)
Clinical History

Normal Test Value: A descriptive/interpretative report (without cell count, specific gravity, or protein concentration).

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Cytology, Vaginal Smears for Estrus 318

Cytology

Updated: 2/4/2018

Specimen Required: Air dried slides,
(For good cell exfoliation, gently roll the swab across the surface of the slide.)
Dry thoroughly before placing in slide container.
Submitting more than one slide is preferable.

VAGINAL CYTOLOGY FOR ESTRUS PROTOCOL:

1. Insert the cotton tip swab against the caudodorsal surface of the vaginal vault (avoid the vulva and clitoral fossa) and advance the swab in a craniodorsal direction until it passes over the ischial arch. The swab should reach the pelvic canal.

2. Rotate the swab 360 degrees in each direction and withdraw.

3. For optimal exfoliation, gently roll the swab across the surface of slide, DO NOT SMEAR.

4. Dry thoroughly before placing in slide container. Do not refrigerate slides.

5. Concurrent progesterone concentration recommended (test #1647).

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Reviewed on Days

Comments: Slides are read Mon-Sat.
Also, part of Canine Breeding Panel, test #1647, with serum progesterone.

D-Dimer**323**

Latex Agglutination

Updated: 2/4/2018

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, the blood to anticoagulant ration should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, If collecting a smaller volume of blood, the blood to anticoagulant ration should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Normal Test Value: < 200 ug/mL

Day(s) Test Set Up: Monday through Saturday (AM)

Reported Time: Same Day

Dermatophilus Prep**523**

Microscopic Examination

Updated: 1/25/2018

Specimen Required: Hair and skin sample

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday (AM)

Reported Time: Same Day

Test Alias: Rain Scald (Dermatophilis Prep)

Comments: Screening for Dermatophilus congolensis (also known as dermatophilosis, Rain Rot, Rain Scald, streptothricosis).

Dexamethasone Suppression

38

Chemiluminescent Assay

Updated: 2/4/2018

Specimen Required: Specimen Required: 3 - RTT, minimum 0.5 mL serum Drawn as Pre, 4 our post and 8 hour post injection.

DO NOT USE SST TO COLLECT OR SPIN DOWN SAMPLE

PLEASE NOTE: Submit all three samples together. Centrifuge, separate serum into a sterile transport tube (RTT,CTT), and refrigerate or freeze until transport to the Lab.

NOTE: During the low dose dexamethasone suppression test, patient stress should be kept to a minimum. No other diagnostic procedures or grooming should be performed during the testing period.

PROTOCOL (Canine):

Low Dose:

1. Collect 0.5 mL serum pre-injection. (RTT,CTT)

2. Inject 0.01 mg/kg dexamethasone sodium phosphate IV.

3. Collect 2 post samples at 3-4 and 8 hours post injection. (RTT,CTT)

High Dose:

1. Collect 0.5 mL serum pre-injection. (RTT,CTT)

2. Inject 0.1 mg/kg dexamethasone sodium phosphate IV.

3. Collect 2 post samples at 4 and 8 hours post injection. Label each tube accordingly. (RTT,CTT)

DO NOT FREEZE SPECIMENS IN GLASS TUBES.

Normal Test Value: SEE COMMENTS

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Test Alias: Canine Dexamethasone Suppression

Comments: A dexamethasone suppression is done to CONFIRM clinical suspicion of hyperadrenocorticism. Stressful diseases (ill diabetics, renal failure, etc.) and current drug therapy may cause false positives.

Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. Long term steroid

therapy will suppress adrenal function. Recommend these drugs be discontinued at least 48 hrs before testing. If the patient has been on steroids >14 days, discontinue steroids for two weeks prior to testing. If <14 days, discontinue for 48 hours prior to testing.

Extra charge for more than 3 samples - please call the Laboratory for information.

LDDST INTERPRETATION:

Confirmation of hyperadrenocorticism:

Normal: 8 hr post < 1.0 ug/dL

Hyperadrenocorticism:

8 hr post > 1.4 ug/dL

Equivocal: 8 hr post 1.0-1.4 ug/dL

Discrimination (pituitary dependent vs primary adrenal disease) - Only if the 8 hr post is >1.4 ug/dL and there is a clinical suspicion of hyperadrenocorticism, then pituitary dependent disease is confirmed if:
1) 4 hr cortisol is <1.4 ug/dL
OR
2) 4 hr or 8 hr cortisols are less than 50% of the baseline (but 8 hr still >1.4 ug/dL).

Note:

Up to 40% of pituitary dependent and adrenal dependent hyperadrenocorticoid dogs do not show suppression. These dogs require HDDST, ACTH concentrations and/or abdominal imaging for further characterization.

HDDST INTERPRETATION: A high dose dexamethasone suppression test (HDDST) is done on previously confirmed cases of hyperadrenocorticism to help determine the origin (i.e. pituitary or adrenal gland).

*If the 8 hr post-dex cortisol is < 1.4 ug/dL or <50% of the baseline, then pituitary dependent disease is confirmed.

If the 8 hr result is \geq 1.4 ug/dL or >50% of baseline, then the origin may be either pituitary or adrenal gland. Further testing (e.g. endogenous ACTH, diagnostic imaging) might be

Dexamethasone Suppression, Equine 2038

Chemiluminescent Assay

Updated: 2/2/2018

Specimen Required: Specimen Required: 2 samples:
Pre/Post 2 RTT Minimum: 0.5 mL
serum (each)
DO NOT USE SST TO COLLECT OR SPIN
DOWN SAMPLE

PROTOCOL:

1. Begin test between 4-6 PM.
2. Draw a pre-injection blood sample into a RTT and label "PRE".
3. Inject 40 ug/kg of Dexamethasone intramuscularly.
4. Nineteen hours post-injection, draw a blood sample into a RTT and label "POST-19".
5. Submit both samples at one time. Blood samples should be centrifuged, the serum separated, placed in a clean WTT, RTT or CTT tube, and refrigerated or frozen until submitted to the Lab.

Normal Test Value: For interpretation please see report.
Normal horses: cortisol \leq 1.0 ug/dL
19 hours post-dexamethasone

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Prednisone, prednisolone, and other corticosteroids (except dexamethasone) will cross react. Recommend these drugs be discontinued at least 48 hrs before testing. If the patient has been on steroids >14 days, discontinue steroids for two weeks prior to testing. If <14 days, discontinue for 48 hours prior to testing.

Current recommendations for the diagnosis of Equine Cushing's disease is an Endogenous ACTH (697). Results must be interpreted with clinical signs and other conditions should be ruled out. Also, if performing this test in the fall (starting in September), interpret a failure to suppress with caution. False positive results occasionally occur at that time of year.

Digoxin 235

Spectrophotometry

Updated: 1/22/2018

Specimen Required: 1 RTT (only)
DO NOT USE SST FOR COLLECTION
Minimum: 0.5 mL serum

Studies have shown that SST Vacutainer tubes may cause elevation of values of approximately 30%.

PROTOCOL:

Select the desired dosage regimen and administer the drug until a steady stated is reached:

Canine: 6.5 - 7 days

Feline: 7 - 7.5 days

Collect the sample 4 - 8 hours after last dose.

Normal Test Value: Therapeutic Range: 0.9 - 2.0 ng/mL
Toxicity can occur at concentrations above 3.0 ng/mL.

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Comments: Draw 4-8 hours after last dose.

This test can be ordered STAT and will be run when received.

Distemper, FA (Canine) 621

IFA

Updated: 1/22/2018

Specimen Required: LTT or conjunctival smears, or both

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

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EIA, AGID 614

AGID

Updated: 1/28/2018

Specimen Required: SST, 1 mL serum or RTT

USDA Equine Anemia Special Form or Global Vet Link Form required. Please print clearly as illegible documents can cause delay. Veterinarian signature REQUIRED on USDA form. Blood tube MUST be labeled with animal's name.

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday (AM)

Reported Time: Up to 48 hours

Test Alias: Coggins, AGID

Comments: Ran 1 time per day, Mon - Sat

EIA, ELISA 601

ELISA

Updated: 1/31/2018

Specimen Required: SST, 1 mL serum or RTT

USDA Equine Anemia Special Form or Global Vet Link Form required. Please print clearly as illegible documents can cause delay. Veterinarian signature REQUIRED on USDA form. Blood tube MUST be labeled with animal's name.

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday (AM/PM)

Reported Time: Same Day

Test Alias: Coggins, STAT

Comments: Ran 2 times daily Mon - Fri, Sat AM only
See also Coggins (test code #614).

Electrolyte Screen 16

Ion Selective Electrode

Updated: 1/22/2018

Specimen Required: 1 SST or RTT, 0.5 mL serum
Minimum: 0.5 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Includes sodium, potassium, chloride, TCO₂.

Endogenous ACTH 697

Chemiluminescent Assay

Updated: 2/4/2018

Specimen Required: 1 LTT
1.0 mL plasma, spin down immediately and separate from cells.
Freeze as soon as possible.

Day(s) Test Set Up: Monday, Wednesday, Friday (AM)

Reported Time: Same Day

Test Alias: ACTH Plasma

Comments: Frozen Plasma stable for 14 days. Avoid grossly hemolysed and/or lipemic samples.

See report for reference ranges.

Erythrocyte Sedimentation Rate (ESR) 123

Wintrobe

Updated: 1/22/2018

Specimen Required: 1 LTT
1 mL absolute minimum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday (AM/PM)

Reported Time: Same Day

Ethylene Glycol 625

Enzymatic

Updated: 1/31/2018

Specimen Required: LTT/GRNTT
0.5 mL plasma, separated from cells as soon as possible.

Day(s) Test Set Up: Monday through Saturday
Run as received

Reported Time: Same Day

Comments: Ethylene glycos levels peak in canines 2 hours after ingestion

Exotic CBC (Small Mammal)

55

Hemacytometer/Centrifugation

Updated: 1/22/2018

Specimen Required: 1 M-LTT
Air dried peripheral blood smears

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Includes Hct, WBC estimate, and differential.
Used for "short" sample specimens.

Fecal Baermann**236**

Sedimentation

Updated: 2/2/2018

Specimen Required: Fresh feces, 3-5 grams**Normal Test Value:** Negative**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** 24 hour test**Test Alias:** Lungworm (Fecal Baermann)**Comments:** This is a qualitative test, reporting presence or absence of lungworm larvae. Test does not rule out Filaroides sp. (Dog lungworm). To rule out Filaroides, submit sputum smear for cytology, or fecal for Ova & Parasite (#213).**Fecal Fat****404**

Microscopic Examination

Updated: 1/22/2018

Specimen Required: 3-5 grams Fresh feces**Normal Test Value:** Negative (Normal stool contains little or no fat)**Day(s) Test Set Up:** Monday through Saturday
(AM/PM)**Reported Time:** Same Day**Fecal Fat/Trypsin****37**

Microscopic Examination/Gel

Updated: 1/25/2018

Specimen Required: 3-5 grams Fresh feces**Normal Test Value:** Fecal Fat: Negative (normal stool contains little or no fat)
Trypsin: Positive (Normal stool should have some trypsin activity)**Day(s) Test Set Up:** Monday through Saturday
(AM/PM)**Reported Time:** Same Day**Comments:** In dog and cats, serum TLI is more accurate in detecting pancreatic exocrine insufficiency.**Fecal Parasite Screen****409**

Centrifugation/Flotation

Updated: 1/22/2018

Specimen Required: Fresh feces

PROTOCOL:

- 1) Sugar flotation procedure that incorporates two centrifugation sequences
- 2) Microscopic examination of the processed specimen to detect ova and parasites

Normal Test Value: None seen**Day(s) Test Set Up:** Monday through Saturday
(AM)**Reported Time:** Next Day**Comments:** Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts. Giardia/Crypto IFA (test code #240 or #241) is recommended to confirm the presence of Giardia as noted.**Fecal Parasite Trichrome Stain****1240**

Microscopic Examination

Updated: 1/25/2018

Specimen Required: Fresh feces collected within 24 hours or feces in fecal fixative (Proto-fix brand). Proto-fix is supplied by the lab.**Normal Test Value:** No protozoa observed**Day(s) Test Set Up:** Monday through Sunday
(AM)**Reported Time:** Same Day**Test Alias:** Trichrome Stain**Comments:** Screening for presence of protozoa. To rule out giardia, order Giardia/Cryptosporidium (IFA) #240.**Fecal Trypsin****405**

Gel digestion

Updated: 1/28/2018

Specimen Required: Fresh feces**Normal Test Value:** Positive
(Normal stool should have some trypsin activity)**Day(s) Test Set Up:** Monday through Saturday
(AM/PM)**Reported Time:** Same Day**Comments:** serum TLI is a better test to diagnose pancreatic exocrine insufficiency.

Fecal, Quantitative 1409

Centrifugation/Microscopic

Updated: 1/28/2018

- Specimen Required:** Fresh feces
Minimum: 1 gram
- Day(s) Test Set Up:** Monday through Sunday
(AM)
- Reported Time:** Same Day
- Test Alias:** Quantitative Fecal
- Comments:** Results will be reported out as type of parasite, and number of eggs per gram of feces.

Feline Coronavirus (FIP), IFA Titer 217

IFA

Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum
or
Abdominal Fluid
Minimum: 0.1 mL
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Coronavirus (FIP) Titer, Feline FIP (FCoV) Titered, IFA
- Comments:** This is a quantitative titer testing method. It is NOT specific for FIP.

Test involves eight serial dilutions ranging from 1:100 to 1:25,600.

Feline Coronavirus (FIP), Screen 209

IFA

Updated: 1/31/2018

- Specimen Required:** 1 SST or 1 RTT
0.5 mL serum
Minimum: 0.1 mL serum
or
Abdominal Fluid
Minimum: 0.1 mL
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Coronavirus Screen (FIP), Feline FIP (FCoV) Screen, IFA
- Comments:** This test is NOT specific for FIP.

Testing performed at dilutions of 1:100 and 1:6400.

Feline Immunodeficiency Virus (FIV) 668

IFA

Updated: 1/23/2018

- Specimen Required:** SST or RTT or LTT
Minimum: 300 uL
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** FIV
- Comments:** Recommend repeat in 6-8 weeks, if result is weak positive.
Vaccinated cats will have a positive antibody response indistinguishable from that of infected cats for at least one year post vaccination.

Feline Leukemia Virus (FeLV), Elisa 321

ELISA

Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT
0.5 mL serum
EDTA Plasma (LTT) can be used
0.5 mL plasma
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day
- Test Alias:** FeLV, ELISA

FeLV, Add-On 361

ELISA

Updated: 1/28/2018

- Specimen Required:** 1 SST or RTT
0.5 mL serum
EDTA Plasma (LTT) can be used
0.5 mL plasma
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day
- Comments:** Available as add-on to an existing panel.
Previous case ID is required to activate the discounted price.

FeLV, ELISA**321**

ELISA

Updated: 1/22/2018

Specimen Required: 1 SST or RTT
0.5 mL serum
EDTA Plasma (LTT) can be used
0.5 mL plasma

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Feline Leukemia Virus (FeLV), Elisa

FeLV, IFA (Buffy Coat or Bone Marrow)**627**

IFA

Updated: 2/2/2018

Specimen Required: LTT for Buffy Coat
Min: 0.5-1 mL whole blood
or
Unstained slides of Bone Marrow

Normal Test Value: Negative

Day(s) Test Set Up: Monday, Tuesday, Wednesday, Thursday
(AM)

Reported Time: Next Day

Comments: Slides must be prepared within 72 hours
of collection.

Fibrinogen**325**

Semi-quantitative Refractometry

Updated: 1/22/2018

Specimen Required: 1 LTT
0.5 mL whole blood

Normal Test Value: Canine: 100 - 400 mg/dL
Feline: 100 - 400 mg/dL
Equine: 100 - 400 mg/dL
Bovine: 100 - 500 mg/dL

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

FIP (FCoV) Screen, Add-on**249**

IFA

Updated: 1/28/2018

Specimen Required: 1 SST or 1 RTT
0.5 mL serum
Absolute Minimum: 0.2 mL serum
or abdominal/thoracic fluid, 0.1 mL
minimum.
EDTA plasma okay.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: Available as add-on to an existing panel.
Previous case ID is required to activate
the discounted price.
This test is NOT specific for FIP.
FIP performed Mon - Sat AM, reported
in afternoon.
Test can be performed on abdominal or
thoracic fluid.

FIP (FCoV) Screen, IFA**209**

IFA

Updated: 1/31/2018

Specimen Required: 1 SST or 1 RTT
0.5 mL serum
Minimum: 0.1 mL serum
or
Abdominal Fluid
Minimum: 0.1 mL

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Test Alias: Coronavirus Screen (FIP), Feline
Feline Coronavirus (FIP), Screen

Comments: This test is NOT specific for FIP.

Testing performed at dilutions of 1:100
and 1:6400.

FIP (FCoV) Titered, IFA 217

IFA

Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum
or
Abdominal Fluid
Minimum: 0.1 mL
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Coronavirus (FIP) Titer, Feline
Feline Coronavirus (FIP), IFA Titer
- Comments:** This is a quantitative titer testing
method. It is NOT specific for FIP.
- Test involves eight serial dilutions
ranging from 1:100 to 1:25,600.

FIV 668

IFA

Updated: 1/23/2018

- Specimen Required:** SST or RTT or LTT
Minimum: 300 uL
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Feline Immunodeficiency Virus (FIV)
- Comments:** Recommend repeat in 6-8 weeks, if
result is weak positive.
Vaccinated cats will have a positive
antibody response indistinguishable
from that of infected cats for at least
one year post vaccination.

FIV, Add-on 768

IFA

Updated: 2/4/2018

- Specimen Required:** RTT preferred (LTT acceptable)
Minimum: 0.1 mL serum or plasma
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Comments:** Recommend repeat in 6-8 weeks, if
result is weak positive.
- Vaccinated cats will have a positive
antibody response indistinguishable
from that of infected cats for at least
one year post vaccination.
- Available as add-on to existing panel.
Previous case ID is required to activate
the discounted price.

Folate 69

Chemiluminescent

Updated: 1/31/2018

- Specimen Required:** 0.5 ml serum, RTT, separated, frozen
and protected from light
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday, Wednesday, Friday
(AM)
- Reported Time:** Same Day

Fractional Excretion, Urine 114

ISE/Spectrophotometry

Updated: 1/31/2018

- Specimen Required:** 1 SST or RTT
Minimum: 0.5 mL serum, and
1 mL fresh urine collected at same time
as blood
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Urine Fractional Excretion
- Comments:** Measuring sodium, potassium, chloride,
calcium, phosphorus, GGT, and
creatinine in both blood and urine to
then calculate fractional excretion.

Free T4 2247

Chemiluminescent Assay Updated: 1/23/2018

Specimen Required: 1 SST or 1 RTT
Minimum 0.5 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday

Reported Time: Same Day

Free T4, Add-on 1247

Chemiluminescent Assay Updated: 1/23/2018

Specimen Required: 1 SST or 1 RTT,
Minimum 0.5 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday

Reported Time: Same Day

Comments: Available as an add-on to an existing panel. Previous case ID is required to activate the discounted price.

Fructosamine 195

Spectrophotometry Updated: 1/22/2018

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Normal Test Value: Feline Interpretation:
Excellent <350 umol/L
or normal for non-diabetic felines.
Good 350 - 450 umol/L
control for diabetic felines.
Fair 450 - 600 umol/L
Poor >600 umol/L
Canine Interpretation:
Excellent <400 umol/L
or normal for non-diabetic canines.
Good 400 - 500 umol/L
Fair 500 - 650 umol/L
Poor >650 umol/L

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Severe hemolysis will falsely increase fructosamine concentration.

Along with other clinical information, fructosamine can aid in the differentiation between acute/transient hyperglycemia and persistent hyperglycemia associated with diabetes mellitus.

Fructosamine serves as a marker of glycemic control over the previous 2-3 weeks. Alterations of serum protein turnover can affect fructosamine concentration.

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GGT (Gamma-glutamyltransferase)**119**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Giardia ELISA**2401**

ELISA

Updated: 1/28/2018

Specimen Required: Fresh feces

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Giardia/Cryptosporidium (IFA)**240**

IFA

Updated: 2/2/2018

Specimen Required: Fresh feces
Minimum: 3-5 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter okay).

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidia that are associated with birds and reptiles. To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

Giardia/Cryptosporidium, Add-on**241**

IFA

Updated: 2/2/2018

Specimen Required: Fresh feces
Minimum: 3-5 gm feces

The stool should not be contaminated with clay kitty litter which causes interference (wheat/corn litter okay).

This test only available as add on when ordering an O&P.

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: The IFA test will detect the antigen of Giardia species and most cryptosporidia. It will not detect some species of cryptosporidia that are associated with birds and reptiles. To rule giardia and cryptosporidium in avian/non-mammalian, order Avian/Nonmammalian Giardia/Cryptosporidium (#1530).

Offered as Add-On test to O&P (must be requested within 3 days of original submission).

Globulin**120**

Mathematical Calculation

Updated: 1/23/2018

Specimen Required: 1 SST or RTT
0.5 mL serum minimum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Total protein and albumin are needed for calculation of globulin and are included in this test cost.

Glucose, Multiple Samples**20**

Spectrophotometry

Updated: 2/4/2018

Specimen Required: Grey Top Tubes (GTT)
Minimum: 1.0 mL sodium fluoride plasma for each sample.

Completely fill tube to allow for proper dilution. Or, collect samples in SSTs or RTTs. Centrifuge SST or RTT within 30 minutes of draw. Separate serum into transport tubes and refrigerate.

In monitoring dogs and cats with diabetes mellitus, serial glucose measurements allow assessment of insulin therapy and determination of how the regimen (insulin dose, type, frequency, or dietary manipulation) should be altered to improve glycemic control of the diabetes.

The normal insulin and feeding regimen should be used during the glucose curve. Ideally, blood should be sampled every 2 hours between 2 insulin doses (for 12 hours if the animal is receiving insulin twice daily, for 24 hours if the animal is receiving insulin once daily). Ideally, blood samples should be collected every 2 hours for the glucose curve during as much of the day as possible (e.g. 8 am - 6 pm)

ASSESSMENT:
Evaluate response to treatment in light of clinical signs, owner observations, physical findings, blood glucose curve, glycated hemoglobin A1C, and fructosamine concentrations.

General (Ideal) Guidelines:
Diabetic dog:
Maintain blood glucose between 100 - 250 mg/dL throughout the day and night.
Diabetic cat:
Maintain blood glucose between 100 -300 mg/dL throughout the day and night.

Normal Test Value: See assessment above

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Price noted is for 7 samples drawn.

Glucose, Plasma**2122**

Spectrophotometry

Updated: 1/22/2018

Specimen Required: Gray Top Tube (1 GGT)
Minimum: 1 mL plasma

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Plasma glucose may be falsely decreased due to insufficient volume and/or hemolysis in gray top tube.

Glucose, Serum**121**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST or RTT, 0.5 mL serum or GTT if unable to centrifuge SST or RTT.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Specimens submitted in GTT will be reported as plasma glucose.

Gram Stain**509**

Microscopic Examination

Updated: 1/22/2018

Specimen Required: Submit air-dried slides, swab, fluid or tissue.

Normal Test Value: Varies with culture site.

Day(s) Test Set Up: Monday through Sunday
(AM)

Reported Time: Same Day

Comments: Collection site/source and species required for proper interpretation.

Heartworm (Adult) Antigen, ELISA**238**

ELISA

Updated: 1/22/2018

Specimen Required: 1 SST or 1 RTT
0.5 mL serum
Minimum: 0.1 mL serum

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Testing recommended in dogs 7 months and older.
Test sensitivity is limited to detection of adult female heartworm antigen. Immature heartworms, including microfilaria, are not detected. (See Microfilaria #212).

This test is not recommended for use in cats as they usually have a low worm load (see Heartworm Antibody #629). Also see Heartworm Panel #58 in the Canine section of Specialty Panels.

Heartworm Antigen, Add-on**2380**

ELISA

Updated: 1/22/2018

Specimen Required: 1 SST or 1 RTT
0.5 mL serum
Minimum: 0.5 mL serum

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Testing recommended in dogs 7 months and older.
Test sensitivity is limited to detection of adult female heartworm antigen. Immature heartworms, including microfilaria, are not detected. (See Microfilaria #212).
This test is not recommended for use in cats as they usually have a low worm load (see Heartworm Antibody #629). Also see Heartworm Panel #58 in the Canine section of Specialty Panels.

Heartworm Panel**58**

ELISA/Knott's Test

Updated: 1/22/2018

Specimen Required: 1 SST or RTT,
0.5 mL serum
Minimum: 0.1 mL serum
1 LTT

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Contains: Heartworm Antigen and Microfilaria

Heartworm, Antibody**629**

RIM

Updated: 1/22/2018

Specimen Required: 1 mL serum
Minimum: 0.5 mL

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: This test is recommended for cats.

Hematocrit (HCT)**326**

Flow Cytometry

Updated: 1/31/2018

Specimen Required: 1 LTT

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Included in CBC

Hemobartonella felis (Mycoplasma hemofelis) 328

Microscopic Examination

Updated: 2/3/2018

- Specimen Required:** 1 LTT,
Minimum 0.3 mL EDTA whole blood
fresh blood slides
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day
- Test Alias:** Mycoplasma Hemofelis (Hemobartonella)
- Comments:** Exam of blood smear for Mycoplasma hemofelis (H. felis) is included in the CBC.
- Hemobartonella felis has been reclassified as Mycoplasma sp. Molecular testing (PCR) can differentiate Mycoplasma hemofelis (large form Hemobartonella) from Mycoplasma hemominutum (small form Hemobartonella). See also test #SO1638 Mycoplasma (Hemobartonella) hemofelis (PCR).

Histology Immunohistochemical Stain 1667

Histology

Updated: 1/23/2018

- Specimen Required:** Tissue in formalin or Paraffin embedded tissue
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Tuesday
- Test Alias:** Immunohistochemical Stains
- Comments:** Consult with the anatomic or clinical pathologist who recommended the additional stain. There may be more than one stain needed. Also, it is possible that the additional stains are not done in-house and therefore different charges apply. Call for pricing.

Histology, Recuts 410

Histology

Updated: 2/4/2018

- Reported Time:** 2 - 3 Days
- Test Alias:** Recuts
- Comments:** Price is for the first recut slide only. Contact the lab for total recut charges (including shipping costs where applicable). Outside our courier areas, slides will be shipped via FedEx at an additional charge. Slide recuts usually require 2-3 days for processing.

Histopathology Explanations HE

Updated: 2/4/2018

- Specimen Required:** Tissue in formalin (at least 10:1 formalin to tissue ratio to optimize fixation). If formalin fixation is not available, place specimen(s) in plastic bags and pack with ice. Prevent freezing.

For helpful information on submitting your samples, reprints of "Hints for Submitting Tissues for Histopathology" and "Histology Explanations" are available. Please call the Laboratory.

- Normal Test Value:** Descriptive report
Mini report provides gross description, microscopic diagnosis, and comments. Full report provides gross description, microscopic findings, diagnosis, and comments.

- Day(s) Test Set Up:** Monday, Tuesday, Wednesday, Thursday, Sunday
(PM)

- Reported Time:** 1 - 3 Days/See Comments

- Comments:** Reported Time:
Larger samples and bony tissues may require longer fixation or decalcification prior to processing. Exact time of reporting is dependent on tissue size.

Fee Explanations:

Single Tissue:
1-4 samples from one site (one surgical site or organ type), where length + width + height is less than 15cm in aggregate.

| Code | Name |
|------|----------------------------------------------------|
| 400 | Mini Report-Single Tissue \$54.65 |
| 441 | Each Additional Single Tissue Order (Mini) \$24.80 |
| 401 | Full Report-Single Tissue \$62.90 |
| 419 | Each Additional Single Tissue Order (Full) \$30.75 |

Complex Tissue:
Each 1-4 samples from one site (one surgical site or one organ type), where length + width + height is greater than 15 cm in aggregate.
Each entire organ (examples: brain, heart, lung, spleen, liver, gallbladder, pancreas, one kidney, one eyeball, one ear canal, one mammary chain, 1-2 ovaries or testicles).
Each tissue requiring decalcification (examples: one digit, tail, mandible,

maxilla)

Code Name

463 Mini Report-Complex Tissue \$85.95

403 Full Report-Complex Tissue \$98.35

Please note: additional single tissue or skin punch biopsy orders (codes 441 or 419) may be combined with complex tissue orders.

Skin Punch Biopsies:

1-4 skin punches (4-8 mm)

Code Name

423 Mini Report - Skin Punch Biopsy

\$54.65

441 Each Additional Order (Mini) \$24.80

425 Full Report-Skin Punch Biopsy

\$62.90

419 Each Additional Order (Full) \$30.75

407 Limb Dissection \$125.25

Includes gross and microscopic evaluation of amputated limb.

Bone Marrow Core Collection Protocol:

1. Any bone which contains red marrow can be used as a site for aspiration or core biopsy. The most commonly used sites are proximal femur, humerus, and iliac crest (in small animals).

2. The bone marrow aspiration/biopsy site should be surgically prepared and a local anesthetic given. Take biopsy after aspiration, using same skin incision but different location for biopsy sample.

3. Very slowly and gently advance the needle using clockwise-counterclockwise motion until adequate marrow obtained (approx. 5-10mm core).

4. Withdraw needle 2-3mm, then advance tip 2-3mm at a slightly different angle. This ensures specimen is cut prior to removing needle.
Caution: Too much pressure may bend the needle.

5. Rotate needle with quick, full twists in both directions to ensure specimen is cut, slowly remove with alternating twisting motions.

6. Do not damage specimen by forcing it through narrow distal tip. Introduce probe through distal tip so specimen exits through needle hub/proximal end.

7. Immediately place specimen in adequate amount of 10% buffered formalin and submit to the Laboratory.

Histopathology, Complex Tissue - Full Report 403

Histopathology

Updated: 2/4/2018

Specimen Required: Tissue in formalin (at least 10:1 formalin to tissue ratio to optimize fixation). If formalin fixation is not available, wrap specimen(s) in moist paper towel and place in plastic bags. Pack with ice. Prevent freezing.

Normal Test Value: Full report provides gross description, microscopic description and interpretation and comments.

Day(s) Test Set Up: Monday, Tuesday, Wednesday, Thursday, Sunday (PM)

Reported Time: 1 - 5 Days / See Comments

Test Alias: Complex Tissue Histopatology

Comments: Complex Tissue:
1 - 4 samples from one site (one surgical site or one organ type) where L+W+H > 15 cm in aggregate.

Each entire organ (examples: brain, heart, lung, spleen, liver, gallbladder, pancreas, 1 kidney, 1 eyeball, 1 ear canal, 1 mammary chain, 1-2 ovaries or testicals).

Each sample requiring decalcification (examples: 1 digit, tail, mandible, maxilla).

Please see Histopathology Explanation Sheet for further information and helpful tips on tissue submission.

Reported Time: Larger samples and bony tissues may require longer fixation of decalcification prior to processing. Exact time of reporting is dependent on tissue size and type.

Histopathology, Limb Dissection 407

Histopathology

Updated: 2/4/2018

- Specimen Required:** Submit limb in plastic bags on ice. DO NOT freeze or fix.
- Normal Test Value:** Descriptive Report
- Day(s) Test Set Up:** Monday through Friday
- Reported Time:** 1 - 2 Weeks
- Test Alias:** Limb Dissection
- Comments:** Preliminary report in 24-48 hours. Final report approximately 2 weeks later, if primary bony lesions require decalcification.
- In-house dissection at your clinic with submission of formalin-fixed representative specimens of the mass, lymph nodes and surgical margins is typically favored over submission of a whole limb, because this will facilitate fixation and surgical margins will distort/change during shipment.

Histopathology, Single Tissue - Full Report 401

Histopathology

Updated: 1/23/2018

- Specimen Required:** Tissue in formalin (at least 10:1 formalin to tissue ratio to optimize fixation). If formalin fixation is not available, wrap specimen(s) in moist paper towel and place in plastic bags. Pack with ice. Prevent freezing.
- Normal Test Value:** Full report provides gross description, microscopic description and interpretation and comments.
- Day(s) Test Set Up:** Monday, Tuesday, Wednesday, Thursday, Sunday (PM)
- Reported Time:** 1 - 3 Days / See Comments
- Comments:** Single Tissue: 1-4 samples from one site (one surgical site) or one organ type where L+W+H <15 cm in aggregate.
- NOTE: Fine Needle/Tru-Cut/Endoscopy orders now fall under the Single Tissue section. Please see the Histopathology Explanation Sheet for further information and helpful tips on tissue submission.
- Reported Time: Larger samples and bony tissues may require longer fixation or decalcification prior to processing. Exact time of reporting is dependent on tissue size.
- Bone Marrow Core Collection Protocol:
1. Any bone which contains red marrow can be used as a site for aspiration or core biopsy. Most commonly used sites are proximal femur humerus, and iliac crest (in small animals).
 2. The bone marrow aspiration/biopsy site should be surgically prepared and a local anesthetic given. Take biopsy after aspiration, using same skin incision but different location with an 11-13 g Jamshidi bone biopsy needle.
 3. Very slowly and gently advance the needle using clockwise-counterclockwise motion until adequate marrow obtained (approx. 5-10 mm core).
 4. Withdraw needle 2-3 mm, then advance tip 2-3 mm at a slightly different angle. This ensures specimen is cut prior to removing needle.
 5. Rotate needle with quick, full twists in both directions to ensure specimen is cut, slowly remove with alternating twisting motions.

6. Do not damage specimen by forcing it through narrow distal tip. Introduce probe through distal tip so specimen exits through needle hub/proximal end.

7. Immediately place specimen in adequate amount of 10% buffered formalin and submit to Laboratory.

Histopathology, Single Tissue - Mini Report 400

Histopathology

Updated: 1/23/2018

Specimen Required: Tissue in formalin (at least 10:1 formalin to tissue ratio to optimize fixation). If formalin fixation is not available, wrap specimen(s) in moist paper towel and place in plastic bags. Pack with ice. Prevent freezing.

Normal Test Value: Mini report provides gross description, microscopic interpretation and

Day(s) Test Set Up: Monday, Tuesday, Wednesday, Thursday, Sunday (PM)

Reported Time: 1 - 3 Days / See Comments

Comments: Single Tissue: 1-4 samples from one site (one surgical site) or one organ type where L+W+H <15 cm in aggregate.

NOTE: Fine Needle/Tru-Cut/Endoscopy orders now fall under the Single Tissue section. Please see Histopathology Explanation Sheet for further information and helpful tips on tissue submission.

Reported Time: Larger samples and bony tissues may require longer fixation or decalcification prior to processing. Exact time of reporting is dependant on tissue size.

Histopathology, Skin Punch Biopsies - Full 425

Histopathology

Updated: 1/23/2018

Specimen Required: Tissue in formalin (at least 10:1 formalin to tissue ratio to optimize fixation). If formalin fixation is not available, wrap specimen(s) in moist paper towel and place in plastic bags. Pack with ice. Prevent freezing.

Normal Test Value: Full report provides gross description, microscopic description and interpretation comments.

Day(s) Test Set Up: Monday, Tuesday, Wednesday, Thursday, Sunday (PM)

Reported Time: 1 - 3 Days / See Comments

Comments: 1-4 Skin Punch Biopsies (1-8 mm)

Please see test code #419 for additional biopsy orders. See Histopathology Explanation Sheet for further information and helpful tips on tissue submission.

Histopathology, Skin Punch Biopsies - Mini 423

Histopathology

Updated: 1/23/2018

Specimen Required: Tissue in formalin (at least 10:1 formalin to tissue ratio to optimize fixation). If formalin fixation is not available, wrap specimen(s) in moist paper towel and place in plastic bags. Pack with ice. Prevent freezing.

Day(s) Test Set Up: Monday, Tuesday, Wednesday, Thursday, Sunday (AM)

Reported Time: 1 - 3 Days / See Comments

Comments: 1-4 Skin Punch Biopsies (1-8 mm)

Please see test code #441 for additional biopsy orders. See Histopathology Explanation Sheet for further information and helpful tips on tissue submission.

Histopathology, Special Stains
813

Varies

Updated: 1/23/2018

Specimen Required: Formalin Fixed Tissue**Day(s) Test Set Up:** Monday through Friday**Reported Time:** See Comments**Comments:** PLEASE NOTE: IHC stains are not included in this category. Please see Test code #1667 Immunohistochemical Stains (IHC Stains). If stain requested before noon, will be done the same day.

PLEASE NOTE: Price above is PER stain.

IgA, Canine 632

Radial Immunodiffusion Updated: 1/25/2018

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: 24 hours

IgG, Immunoglobulin G, Camelid 852

Radial Immunodiffusion Updated: 2/2/2018

Specimen Required: 1 SST or RTT
Minimum: 1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: 24 hours

Comments: Acceptable for Alpaca, Llama, and Camel

IgG, Immunoglobulin G, Equine 210

Radial Immunodiffusion Updated: 1/31/2018

Specimen Required: 1 SST or RTT
Minimum: 1 mL serum
or
Colostrum
Minimum: 1 mL

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: 24 hours

Comments: Final at 24 hours.

IgM, Immunoglobulin M, Equine 211

Radial Immunodiffusion Updated: 1/28/2018

Specimen Required: 1 SST or RTT
Minimum: 1 mL serum
or
Colostrum
Minimum: 1 mL

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: 24 hours

Immunization Screen I, Feline 161

IFA Updated: 1/22/2018

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Normal Test Value: Titer > 1:50 considered a protective level under normal circumstances.
Titer < 1:50 recommend vaccination.

Day(s) Test Set Up: Monday
(AM)

Reported Time: Same Day

Test Alias: Vaccination (Immunization) Screen I, Feline

Comments: This screen is limited to feline calici and herpes virus. Also available is Immunization Screen II which screens for feline panleukopenia and herpes virus, and Immunization Screen III which screens for all three viruses.

Immunization Screen II, Feline 1161

IFA Updated: 1/22/2018

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum

Normal Test Value: Titer > 1:50 considered a protective level under normal circumstances.
Titer < 1:50 recommend vaccination.

Day(s) Test Set Up: Monday
(AM)

Reported Time: Same Day

Test Alias: Vaccination (Immunization) Screen II, Feline

Comments: This screen is limited to feline panleukopenia and herpes virus. Also available is Immunization Screen I which tests for feline calici and herpes virus, and Immunization Screen III which screens for all three viruses.

Immunization Screen III, Feline 2161

IFA Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT
0.5 mL serum
- Normal Test Value:** Titer > 1:50 considered a protective level under normal circumstances.
Titer < 1:50 recommend vaccination.
- Day(s) Test Set Up:** Monday
- Reported Time:** Same Day
- Test Alias:** Vaccination (Immunization) Screen III, Feline
- Comments:** This screen is inclusive of Feline Immunization Screens I and II. Limited to feline panleukopenia, herpes, and calici viruses.

Immunization Screen, Canine 156

IFA Updated: 1/28/2018

- Specimen Required:** 1 SST or 1 RTT,
Minimum: 0.5 mL serum
- Normal Test Value:** > 1:50 Considered protective under normal circumstances.
< 1:50 Recommend vaccination.
- Day(s) Test Set Up:** Monday, Thursday
(AM)
- Reported Time:** Same Day
- Test Alias:** Vaccination Screen, Canine
- Comments:** This test screens for antibodies to canine distemper and parvovirus.

Immunohistochemical Stains 1667

Histology Updated: 1/23/2018

- Specimen Required:** Tissue in formalin or Paraffin embedded tissue
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Tuesday
- Test Alias:** Histology Immunohistochemical Stain
- Comments:** Consult with the anatomic or clinical pathologist who recommended the additional stain. There may be more than one stain needed. Also, it is possible that the additional stains are not done in-house and therefore different charges apply. Call for pricing.

Insulin 634

Chemiluminescent Assay Updated: 1/23/2018

- Specimen Required:** 1 SST or RTT
Minimum: 0.5 mL serum
Sample should be tested or frozen within 24 hours.
- CENTRIFUGE TUBE WITHIN 20-30 MIN OF COLLECTION. SEPARATE SERUM INTO A TRANSPORT TUBE AND REFRIGERATE.
- If unable to centrifuge, use GTT for collection of glucose samples. GTT tubes must have a minimum of 1 mL of blood for accurate results.

HEMOLYSIS WILL INTERFERE WITH TESTING.

- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday, Wednesday, Friday
(AM)
- Reported Time:** Late Afternoon
- Comments:** In combination with clinical signs and concurrent blood glucose concentration, determination of serum insulin may be useful in diagnosing an insulinoma. In assessing whether the serum insulin concentration is appropriate, it must be compared to the serum glucose concentration (taken concurrently; included in the cost of insulin test). Measurement of serum insulin concentrations is most useful when the blood glucose concentration is 59 mg/dL or less.

Equine insulin and glucose levels have been suggested for diagnosing pituitary adenoma/Cushing's disease, but can be abnormal in any disease causing insulin resistance.

Testing not recommended on samples >24 hours old due to rapid deterioration.

Knott's Test (Microfilaria)
212

Microscopic Examination Updated: 1/22/2018

- Specimen Required:** 1 LTT
Minimum: 1 mL EDTA whole blood
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day
- Test Alias:** Microfilaria (Knott's Test)
- Comments:** Included in Heartworm Panel.
Recommend testing only in dogs 7 months of age and older.

KOH Preparation/Wet Mount
510

Microscopic Examination Updated: 1/25/2018

- Specimen Required:** Skin scrapings; hair
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Sunday
(AM)
- Reported Time:** Same Day
- Test Alias:** Potassium Hydroxide (KOH) Preparation
Wet Mount/KOH Preparation
- Comments:** Screening for presence of fungal elements. It is strongly recommended that a fungal culture be run to confirm KOH prep results.

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Lactate Dehydrogenase (LDH)**153**

Spectrophotometry

Updated: 1/22/2018

Specimen Required: 1 SST or RTT
Minimum 0.5 mL serum

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

LH (Luteinizing Hormone)**620**

RIM

Updated: 1/22/2018

Specimen Required: 1 SST or RTT, 0.2 mL serum
Markedly hemolyzed or lipemic samples should not be used.

Normal Test Value: Positive or Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Same Day

Comments: OVARIAN REMNANT DETERMINATION:
Test when the dog is NOT showing signs of estrus:
A positive result means high LH concentrations, indicating no ovarian tissue.
A negative result means low LH concentrations, indicating the presence of ovarian tissue.
(Occasionally false positives may occur with the 24 hr LH surge.)

OVULATION TIMING IN THE BITCH
The duration of the LH peak varies from dog to dog and lasts only 24 hours in approximately 40% of the bitches. For this reason, serum should be tested for LH every day beginning on the 4th or 5th day of proestrus or when vaginal cytology approaches 50% cornification. When a positive result is obtained this is considered "Day 0". A progesterone test should be done 3 ("Day 3") days later to confirm a rise in progesterone. If the detected increase in LH was the actual preovulatory surge, progesterone concentrations should increase above 2 ng/mL within 3 days and stay elevated. If the progesterone remains low, less than 2 ng/mL, it indicates that a proestrus fluctuation in LH was identified. Continue daily testing until the true LH surge occurs.

The LH surge is designated as "Day 0". Days 4 through 7 post LH surge encompass the true fertile period with peak fertility on Days 5 and 6. Breeding on Days 2, 4, and 6 post LH surge will completely cover the fertile period and maximize viable sperm numbers on the bitch's most fertile days.

NOTE: This test has not been validated for, but has been used in, cats with similar interpretations as in dogs.

Limb Dissection**407**

Histopathology

Updated: 2/4/2018

Specimen Required: Submit limb in plastic bags on ice.
DO NOT freeze or fix.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Friday

Reported Time: 1 - 2 Weeks

Test Alias: Histopathology, Limb Dissection

Comments: Preliminary report in 24-48 hours. Final report approximately 2 weeks later, if primary bony lesions require decalcification.

In-house dissection at your clinic with submission of formalin-fixed representative specimens of the mass, lymph nodes and surgical margins is typically favored over submission of a whole limb, because this will facilitate fixation and surgical margins will distort/change during shipment.

Lungworm (Fecal Baermann)**236**

Sedimentation

Updated: 2/2/2018

Specimen Required: Fresh feces, 3-5 grams

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: 24 hour test

Test Alias: Fecal Baermann

Comments: This is a qualitative test, reporting presence or absence of lungworm larvae. Test does not rule out *Filaroides* sp. (Dog lungworm). To rule out *Filaroides*, submit sputum smear for cytology, or fecal for Ova & Parasite (#213).

Lipase**124**

Spectrophotometry

Updated: 1/22/2018

Specimen Required: 1 SST or 1 RTT
Minimum: 0.5 mL serum

Normal Test Value: Canine: 0 - 425 U/L
Feline: 0 - 200 U/L

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Lipid Panel w/T4**2217**

Spectrophotometry

Updated: 1/31/2018

Specimen Required: 0.5 ml serum, SST or RTT

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Cholesterol, Trig, T4

Magnesium**125**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST or 1 RTT
Minimum: 0.5 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Microfilaria (Knott's Test)**212**

Microscopic Examination

Updated: 1/22/2018

Specimen Required: 1 LTT
Minimum: 1 mL EDTA whole blood

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Knott's Test (Microfilaria)

Comments: Included in Heartworm Panel.
Recommend testing only in dogs 7
months of age and older.

Microprotein, CSF**118**

Spectrophotometry

Updated: 1/22/2018

Specimen Required: 0.3 mL CSF
Please use CTT for transport.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: CSF Microprotein

Mycoplasma Hemofelis (Hemobartonella)**328**

Microscopic Examination

Updated: 2/3/2018

Specimen Required: 1 LTT,
Minimum 0.3 mL EDTA whole blood
fresh blood slides

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Hemobartonella felis (Mycoplasma
hemofelis)

Comments: Exam of blood smear for Mycoplasma
hemofelis (H. felis) is included in the
CBC.

Hemobartonella felis has been
reclassified as Mycoplasma sp.
Molecular testing (PCR) can differentiate
Mycoplasma hemofelis (large form
Hemobartonella) from Mycoplasma
hemominutum (small form
Hemobartonella). See also test
#SO1638 Mycoplasma
(Hemobartonella) hemofelis (PCR).

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Necropsy**406**

Gross and Microscopic Evaluation

Updated: 1/30/2018

Specimen Required: Whole body
AND AS MUCH HISTORY AS POSSIBLE

Refrigerate as soon as possible. If refrigeration is not available, pack body with ice packs.
Prevent freezing.

Normal Test Value: Descriptive Report

Day(s) Test Set Up: Monday through Friday

Reported Time: Prelim: 48 hours

Comments: Please call the Laboratory for pricing information which is determined by species, weight, and specific requests or if a legal proceeding may occur.

Prelim Diagnosis: 48 hours

Final Diagnosis: 10 - 14 days, unless special studies are required.

Includes:

1. Gross examination of entire body, all internal organs, including brain (excluding spinal cord, unless specifically requested). Spinal cord examination is an additional charge. Please call lab for info.
2. Microscopic description
3. Diagnosis
4. Ancillary lab testing as needed by pathologist.

Please call the Laboratory regarding toxicology.

Cremation is available for an additional cost. Please call the Laboratory for current price information. Indicate if you require a private or non-private cremation on the original test request form when ordering a necropsy. If your clinic uses Gateway Pet Memorial for cremation services, they will pick up here at the Laboratory, take care of the cremation request, and bill your clinic directly.

Private cremations will be returned to your clinic by Gateway Pet Memorial.

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Occult Blood**341**

Oxidation

Updated: 1/22/2018

Specimen Required: Feces, fresh (at least a pea sized sample)

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: Patient should be on NON-MEAT diet for 72 hours prior to sample collection. (This includes pet foods containing meat or poultry products.) High doses of vitamin C (>250 mg/day) can cause false negative results. Discontinue supplements, fruits and vegetables high in vitamin C for 72 hours prior to testing.

Ova and Parasite**213**

Macroscopic/Microscopic

Updated: 2/2/2018

Specimen Required: Fresh feces

PROTOCOL:

- 1) Gross examination of the feces for larvae, tapeworm segments, etc.
- 2) Direct wet mount slide of feces examined microscopically for motility and larvae. This step is necessary to detect trichomonads, giardia, and other parasites that may only be present in trophozoite form.
- 3) Sugar flotation procedure that incorporates two centrifugation sequences
- 4) Microscopic examination of the processed specimen to detect ova and parasites

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Saturday
(AM)

Reported Time: Next Day

Comments: Sugar flotation with two centrifugation sequences; microscopic examination for ova and parasites, including Giardia cysts. Giardia/Crypto IFA (test code #240 or #241) is recommended to confirm the presence of Giardia as noted.

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**Partial Thromboplastin Time (PTT)
343**

Endpoint Clot Detection

Updated: 2/4/2018

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, If collecting a smaller volume of blood, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Normal Test Value: Canine: 7.0 - 18.0 seconds
Feline: 7.6 - 25.2 seconds
Equine: 25.0 - 45.0 seconds

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Test Alias: Activated Partial Thromboplastin Time (APTT)
APTT

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1. This test is included in Coagulation Panels I, II, and III (see Specialty

Panels - General).

**Parvo Virus Antigen/Fecal
214**

RIM

Updated: 1/31/2018

Specimen Required: Fresh feces
Minimum: pea size sample

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Used to evaluate for clinical infection in dogs only.
Virus is shed for only a short-time.

**Parvovirus Antibody, Serum
215**

IFA

Updated: 1/22/2018

Specimen Required: 1 SST or RTT, 1 mL serum
Minimum: 0.5 mL serum

Normal Test Value: Variable

Day(s) Test Set Up: Monday through Saturday (AM)

Reported Time: Same Day

Comments: Used to detect parvovirus antibody, differentiating between IgG and IgM. Can also be used to evaluate for adequate titer post vaccine..

**PCV (Packed Cell Volume)
PCV**

Updated: 1/24/2018

Comments: Please order Hct, Test #326.

The PCV is the proportion of packed cells of the sample, generally meant to be the percentage of the blood comprised of RBCs. The hematocrit is determined by an automated cell counter that is calibrated for each species of animal.

When sample volume is limited, the Laboratory uses a microhematocrit method. The centrifuges for the microhematocrit determination are calibrated to assure the correct RPM is used in order to maximize sample precision.

Phenobarbital, Peak and Trough 79

Spectrophotometry

Updated: 2/4/2018

Specimen Required: 2 RTT

Minimum: 0.5 mL serum/each sample
Label accordingly.

Trough: Just prior to next dose
Peak: 4-6 hours post dose

Protocol:

1. Select the desired dosing regimen and administer the drug until steady state is reached (2 weeks after change in dose).
2. Collect the sample as trough (preferably just prior to next dose) and peak (preferably 4-6 hours post dose).

Normal Test Value: Optimal therapeutic range:

15-40 ug/mL Canine
23-28 ug/mL Feline
15-20 ug/mL Equine

Day(s) Test Set Up: Monday through Sunday
(AM/PM)**Reported Time:** Same Day**Comments:**

In dogs with well-controlled seizures, after steady state is reached (2 weeks after a change in dose), trough levels of phenobarbital should be monitored periodically.

Ideally, these samples should be collected as a fasting sample prior to the next dose (i.e. if the dog receives phenobarbital at 8am and 8pm, the blood should be collected at 8am or 8pm, prior to phenobarbital administration).

When toxicity is suspected, (or sometimes in animals with poorly controlled seizures), trough and peak serum phenobarbital concentration determination may be helpful. The time of peak blood phenobarbital concentrations is variable; usually a sample collected 4-6 hours after phenobarbital administration may be considered adequate for peak serum phenobarbital concentration.

Phenobarbital, Single Sample 216

Spectrophotometry

Updated: 1/31/2018

Specimen Required: 1 RTT

Minimum: 0.5 mL serum

Drawn as single sample, trough or peak.
Trough levels usually are most helpful.

Trough: Just prior to next dose
Peak: 4-6 hours post dose

Protocol:

1. Select the desired dosing regimen and administer the drug until steady state is reached (2 weeks after change in dose).
2. Collect the sample as trough (preferably just prior to next dose) or peak (preferably 4-6 hours post dose).

Normal Test Value: Optimal therapeutic range:

15-40 ug/mL Canine
15-40 ug/mL Feline
15-20 ug/mL Equine

Day(s) Test Set Up: Monday through Saturday
(AM/PM)**Reported Time:** Same Day**Test Alias:** Primidone (Phenobarbital), Single Sample**Comments:**

The half-life of phenobarbital varies widely among individual animals, therefore monitoring of serum levels aids in establishing an appropriate dose. Phenobarbital concentrations are also useful for evaluating owner compliance. Phenobarbital is the active component of primidone.

Phosphorus 126

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum**Normal Test Value:** See Report**Day(s) Test Set Up:** Monday through Sunday
(AM/PM)**Reported Time:** Same Day

Plasma Protein**344**

Refractometry

Updated: 1/22/2018

- Specimen Required:** 1 LTT
Minimum: 0.1 mL plasma
- Note: EDTA (lavender Top Tube) plasma only.
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday (AM/PM)
- Reported Time:** Same Day
- Comments:** Also available paired with CBC and differential.

Plasma Protein and CBC w/Differential**24**

Refractometry/Flow Cytometry

Updated: 1/22/2018

- Specimen Required:** 1 LTT
Air dried peripheral blood smears
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday (AM/PM)
- Reported Time:** Same Day
- Test Alias:** CBC w/Differential and Plasma Protein

Platelet Count, Automated**345**

Flow Cytometry

Updated: 1/25/2018

- Specimen Required:** 1 LTT
- Normal Test Value:** Canine: 200 - 500 Th/uL
Equine: 80 - 300 Th/uL
Feline: 300 - 800 Th/uL
- Day(s) Test Set Up:** Monday through Sunday (AM/PM)
- Reported Time:** Same Day

Platelet Count, Manual**376**

Hemacytometer

Updated: 1/22/2018

- Specimen Required:** 1 LTT
- Normal Test Value:** Canine: 200 - 500 Th/uL
Feline: 300 - 800 Th/uL
Equine: 80 - 300 Th/uL
- Day(s) Test Set Up:** Monday through Sunday (AM/PM)
- Reported Time:** Same Day

Potassium**127**

Ion Selective Electrode

Updated: 1/23/2018

- Specimen Required:** 1 SST or RTT, 0.5 mL serum
Minimum: 0.1 mL serum
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday (AM/PM)
- Reported Time:** Same Day

Potassium Bromide (KBr)**640**

Spectrophotometry

Updated: 1/28/2018

- Specimen Required:** 1 RTT or SST
0.5 mL serum
Minimum: 0.1 mL serum
- Normal Test Value:** 1.0 - 3.0 mg/mL
- Day(s) Test Set Up:** Monday, Wednesday, Friday (AM)
- Reported Time:** Same Day
- Comments:** Once steady state is reached, timing of sample after pill dosing does not matter.
- This test measures both potassium bromide and sodium bromide.

Potassium Hydroxide (KOH) Preparation**510**

Microscopic Examination

Updated: 1/25/2018

- Specimen Required:** Skin scrapings; hair
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Sunday (AM)
- Reported Time:** Same Day
- Test Alias:** KOH Preparation/Wet Mount
Wet Mount/KOH Preparation
- Comments:** Screening for presence of fungal elements. It is strongly recommended that a fungal culture be run to confirm KOH prep results.

Primidone (Phenobarbital), Single Sample 216

Spectrophotometry

Updated: 1/31/2018

Specimen Required: 1 RTT

Minimum: 0.5 mL serum

Drawn as single sample, trough or peak.
Trough levels usually are most helpful.

Trough: Just prior to next dose

Peak: 4-6 hours post dose

Protocol:

1. Select the desired dosing regimen and administer the drug until steady state is reached (2 weeks after change in dose).
2. Collect the sample as trough (preferably just prior to next dose) or peak (preferably 4-6 hours post dose).

Normal Test Value: Optimal therapeutic range:

15-40 ug/mL Canine

15-40 ug/mL Feline

15-20 ug/mL Equine

Day(s) Test Set Up: Monday through Saturday
(AM/PM)**Reported Time:** Same Day**Test Alias:** Phenobarbital, Single Sample

Comments: The half-life of phenobarbital varies widely among individual animals, therefore monitoring of serum levels aids in establishing an appropriate dose. Phenobarbital concentrations are also useful for evaluating owner compliance. Phenobarbital is the active component of primidone.

Progesterone 647

Chemiluminescent Assay

Updated: 1/23/2018

Specimen Required: 1 RTT

Minimum: 0.3 mL serum

A serum sample is preferred.

Ideal preparation of sample is suggested when using outside carriers:

After drawing blood into the tube, keep the tube in an upright position at room temperature allowing clot formation. Centrifuge within 20-30 minutes. serum can be poured off an SST into a plastic transport tube (use a pipette for collecting serum from a RTT). Use an "Overnight" or "NextDay" transport service to insure prompt delivery. To prevent deterioration of sample in the event of delayed delivery, use commercially prepared "cool packs" when packaging your sample.

Normal Test Value: See Report

There are no normal ranges as progesterone concentration varies according to ovarian activity.

Day(s) Test Set Up: Monday through Saturday
(AM/PM)**Reported Time:** Same Day**Comments:**

Mare:

Corpus luteal values are 7-8 ng/mL by 6 days of ovulation. There is a transient decrease at 28 days of pregnancy to around 5 ng/mL and then concentration increases to day 50 and plateaus at day 140 (15-20 ng/mL). Values then decline so that at 180-200 days levels are below 1 ng/mL.

Cow:

Levels of 6 ng/mL are required to maintain pregnancy.

Camelids:

Values about 2.0 ng/mL indicate luteal activity.

Progesterone, Canine**547**

Chemiluminescent Assay

Updated: 1/23/2018

Specimen Required: 1 RTT
Minimum: 1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday

Reported Time: Same Day

Comments: This test code is for canine use only. After the initial test, follow-up testing is offered. Use test code #747, Progesterone Follow-up, Canine.

Canine:
To best predict optimal breeding dates, results should be interpreted in conjunction with vaginal cytology (Canine Breeding Panel, Test #1647). At ovulation, serum progesterone concentration ranges from 4-10 ng/mL. Optimal breeding (fresh semen) is 2 days after ovulation (if frozen semen: 4 days after ovulation).

For timing of whelping, progesterone decreases to <2 ng/mL 36-48 hours prior to whelping.

This test code is for canine use only. All other species use Progesterone test code #647

Progesterone, Canine, Follow-up**747**

Chemiluminescent Assay

Updated: 1/22/2018

Specimen Required: RTT
Minimum: 1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday

Reported Time: Same Day

Comments: This is to be used for canine prebreeding or prewhelping if multiple testing is needed. Previous case ID is required to activate the discounted price.

Protein Electrophoresis**31**

Agarose Gel Electrophoresis

Updated: 1/22/2018

Specimen Required: 1 SST or RTT
0.25 mL serum OR body cavity fluid

Normal Test Value: See Report

Day(s) Test Set Up: Monday, Thursday
(AM)

Reported Time: Same Day

Comments: Can be performed on body cavity effusions to assist in diagnosis of FIP.

Protein Electrophoresis, Urine**1031**

Agarose Gel Electrophoresis

Updated: 1/22/2018

Specimen Required: Urine
Minimum: 5 mL

Normal Test Value: See Report

Day(s) Test Set Up: Monday, Thursday
(AM)

Reported Time: Next Day

Comments: Must allow one extra day for urine concentration.

Prothrombin Time (PT)**346**

Endpoint Clot Detection

Updated: 2/4/2018

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, if collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Normal Test Value: Canine: 6.0 - 13.0 seconds
Feline: 9.0 - 14.0 seconds
Equine: 8.5 - 11.5 seconds

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Comments: Citrate tubes that are less than full contain excess anticoagulant for the volume of blood which may affect the PT and APTT result.
Included in Coagulation Profiles I, II, and III (see Specialty Panels section under General).

**Quantitative Fecal
1409**

Centrifugation/Microscopic

Updated: 1/28/2018

Specimen Required: Fresh feces
Minimum: 1 gram

Day(s) Test Set Up: Monday through Sunday
(AM)

Reported Time: Same Day

Test Alias: Fecal, Quantitative

Comments: Results will be reported out as type of
parasite, and number of eggs per gram
of feces.

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Rain Scald (Dermatophilus Prep)
523

Microscopic Examination Updated: 1/25/2018

Specimen Required: Hair and skin sample
Normal Test Value: Negative
Day(s) Test Set Up: Monday through Sunday (AM)
Reported Time: Same Day
Test Alias: Dermatophilus Prep
Comments: Screening for Dermatophilus congolensis (also known as dermatophilosis, Rain Rot, Rain Scald, streptothricosis).

RBC (Red Blood Cell Count)
348

Flow Cytometry Updated: 1/22/2018

Specimen Required: 1 LTT
Normal Test Value: Canine: 5.5 - 8.5 mil/uL
 Feline: 5.0 - 10.0 mil/uL
 Equine: 6.5 - 12.5 mil/uL
Day(s) Test Set Up: Monday through Sunday (AM/PM)
Reported Time: Same Day
Comments: Included in CBC

Recuts
410

Histology Updated: 2/4/2018

Reported Time: 2 - 3 Days
Test Alias: Histology, Recuts
Comments: Price is for the first recut slide only. Contact the lab for total recut charges (including shipping costs where applicable). Outside our courier areas, slides will be shipped via FedEx at an additional charge. Slide recuts usually require 2-3 days for processing.

Relaxin, Canine/Feline for Pregnancy
300

RIM Updated: 1/25/2018

Specimen Required: 0.5 mL serum SST/RTT OR 0.5 mL plasma LTT/GRNTT
 Minimum: 0.5 mL heparinized plasma, serum, or whole blood
 Markedly hemolyzed or lipemic samples should not be used.
 Day 20 of gestation is found to be the earliest day of pregnancy detection.

Normal Test Value: Positive or Negative
Day(s) Test Set Up: Monday through Saturday (AM)
Reported Time: Same Day

Comments: Relaxin rises after implantation of a fertilized egg. Implantation occurs 26-31 days after the LH surge.
 Negative samples: Any negative result is considered indicative of non-pregnancy; however, two negative results one week apart may be required for confirmation of this status, especially when date of mating is unknown.
 Positive samples: A positive result is considered indicative of pregnancy. A weak positive result may be observed at the beginning of the pregnancy. It is recommended to repeat the test on a fresh sample one week later to confirm pregnancy.

Resting Cortisol 2231

Chemiluminescent Assay

Updated: 2/4/2018

Specimen Required: 1 RTT
1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: A patient with a resting cortisol >2.0 ug/dL has a 99% chance of NOT having Addison's Disease.

With a resting cortisol of <2.0 ug/dL, an ACTH response test is needed to rule-in Addison's Disease. This interpretation is valid if no oral or topical steroids have been given in the last 6 weeks.

If the patient has been on steroids for >14 days, discontinue for 2 weeks prior to testing. If <14 days, discontinue for 48 hours prior to testing.

A resting cortisol cannot be used to rule-in or rule-out Hyperadrenocorticism. A LDDS and/or ACTH response test needs to be performed.

Reticulocyte 3336

Flow Cytometry

Updated: 1/22/2018

Specimen Required: 1 LTT or 1 L-MT

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: This is included in a CBC when a canine or feline hematocrit is < 30%. This test includes a retic, RBC and an absolute retic.
If the canine absolute reticulocyte is > 150,000/uL, the anemia is considered regenerative.
If the feline absolute reticulocyte is > 50,000/uL, the anemia is considered regenerative.

Rodenticide (anticoagulant) Screen RS

Updated: 2/4/2018

Specimen Required: 1 BTT, Centrifuge, separate plasma and refrigerate.

Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

THE RATIO OF BLOOD TO ANTICOAGULANT IS CRITICAL FOR VALID COAGULATION RESULTS.

Protocol:

1. Draw fresh venous blood into BTT (blue top, buffered sodium citrate tube) until full. Gently mix by inverting 4-5 times. NO CLOTTING SHOULD BE OBSERVED IN THE TUBE. Please remember, If collecting a smaller volume of blood, <2.0 mL, the blood to anticoagulant ratio should be 9:1.

For proper dilution, do not fill beyond the top of the tube label.

2. Cool to 4 degrees C (refrigerator temperature), until analysis.

3. If delay greater than 24 hours is expected prior to analysis, the BTT should be spun in a centrifuge, the plasma separated and placed in a plain plastic vial to be frozen until analysis.

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Comments: Citrate tubes (BTT) provided by Phoenix Laboratory hold 2.7 mL of blood. Tubes filled with less than 2.0 mL whole blood (approximately half full) have excess anticoagulant for the volume of blood which may affect the PT and APTT results. However, for proper dilution, do not fill beyond the top of the tube label. If collecting a smaller volume of blood, blood to anticoagulant ratio should be 9:1.

Salmonella Culture (Stool Culture)**519**

Culture

Updated: 2/4/2018

Specimen Required: Fresh feces OR Fresh mammal feces submitted in enteric transport media (optimal).

Enteric transport media is available from Phoenix Laboratory at no charge. Can also submit fresh mammal feces in clean container or use routine culture swab.

Please submit avian and reptile samples as routine culture & sensitivity.

COLLECTION:

1. Specimen should be collected in a dry and clean container. The stool must not be contaminated with urine, water, litter, or organic matter.
2. Mucoïd, bloody, or watery portions of the stool should be sampled if present.
3. Place sample into vial using the attached collection spoon, adding enough specimen to reach the FILL LINE.
4. Carefully break up the specimen using the spoon.
5. Tighten the cap and mix by inversion until it is thoroughly mixed.
6. Label each vial with patient information.
7. Return filled container to the Laboratory WITHOUT refrigeration or incubation.

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: 36 - 60 Hours

Test Alias: Culture, Feces
Culture, Salmonella

Comments: Screening for Salmonella and Campylobacter. Screening for Shigella, Yersinia, and Vibrio available upon requested. Culture includes sensitivities on up to 2 pathogens isolated. Susceptibilities are not performed on Campylobacter.

SDH (Sorbitol Dehydrogenase)**131**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST or 1 RTT
Minimum 0.2 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: This test is included in the equine chemistry screen and all panels that include equine chemistries.

Second Opinion, Pathology**PSO**

Histopathology or Cytology

Updated: 1/28/2018

Reported Time: Variable

Comments: There is no charge for second opinions provided by pathologists affiliated with our Laboratory. If a second opinion is required by a pathologist outside of the Laboratory, charges will vary depending on the number of slides recut for transport, the carrier charges, and any charges added by outside pathologist. Recuts usually require 2-3 days for processing. We routinely use a "Next Day" delivery service for second opinion delivery. Please call the Lab for current cost information.

Semen Evaluation**32**

Microscopic/Cytologic Examination

Updated: 2/2/2018

Specimen Required: Semen
Minimum: 1 - 2 mL

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday (AM/PM)

Reported Time: Same Day

Comments: Includes sperm count, pH and cytology. Cytology read-out Mon - Sat AM only.

Semen Motility**350**

Microscopic Examination

Updated: 1/22/2018

Specimen Required: Semen
Minimum: 1-2 mL

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: SAMPLE MUST BE TESTED WITHIN ONE HOUR OF COLLECTION. Keep sample warm (37 degrees C.) while transporting to lab.

Sodium**130**

Ion Selective Electrode

Updated: 1/23/2018

Specimen Required: 1 SST or RTT
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Sodium and Potassium**19**

Ion Selective Electrode

Updated: 1/22/2018

Specimen Required: 1 SST or RTT
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Sperm Count**351**

Microscopic Examination

Updated: 1/22/2018

Specimen Required: Semen in sterile container

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Saturday
(AM/PM)

Reported Time: Same Day

Comments: Included in semen evaluation.

T3 (Triiodothyronine) 651

Chemiluminescent Assay

Updated: 1/23/2018

- Specimen Required:** 1 RTT
Minimum: 1.0 mL serum
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day as set up

T3 Suppression I 9

Chemiluminescent Assay

Updated: 2/2/2018

- Specimen Required:** 2 samples: Pre T4/Post T4
Minimum: 0.1 mL serum (each) T4
sample collected
- 2 SST or 2 RTT
Minimum: 0.5 mL serum (each)

All samples should be submitted at one time to allow performance on the same instrument run.

Protocol:

1. Day 1: Collect baseline (pre) T4 sample. Label tube "pre"
2. Day 1 & 2: Administer 25 ug of T3 supplement (Cytobin or Cytomel) every 8 hours for 7 doses.
3. Day 3: Administer the last (7th) dose of T3 supplement on the morning of the third day and 2-4 hours later draw sample for a second T4 determination. Label tube "post".

Interpretation of Post suppression T4 concentration:

Normal cats: < 1.5 ug/dL or suppression greater than 50% of pre-T4 value.
Inconclusive: 1.5 - 2.0 ug/dL
Hyperthyroid: > 2.0 ug/dL

- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day

- Comments:** If the post T4 sample is not adequately suppressed, it may be due to:
- 1) the cat did not receive an adequate amount of T3, or
 - 2) the cat is hyperthyroid.

Measurement of T3 concentration in the pre and post suppression samples (Test #1009 - T3 Suppression II) can be useful in verifying that the patient received the hormone supplementation.

T3 Suppression II 1009

Chemiluminescent/Spectrophotom

Updated: 1/23/2018

Specimen Required: 2 samples:
Pre T3 and T4/Post T3 and T4
2 SST or 2 RTT
Minimum: 0.5 mL serum (each)

All samples should be submitted at one time to allow analysis on the same instrument run.

PROTOCOL:

1. Day 1: Collect baseline (pre) T3 and T4 sample. Label tube "Pre".
2. Day 1 & 2: Administer 25 ug of T3 supplement (Cytobin or Cytomel) every 8 hours t.i.d. for 7 doses.
3. Day 3: Administer the last (7th) dose of T3 supplement on the morning of the third day and 2-4 hours later draw sample for a second T3 and T4 determination. Label tube "Post".

Interpretation of Post suppression T4 concentration:
Normal cats: < 1.5 ug/dL or suppression greater than 50% of pre-T4 value.
Inconclusive: 1.5 - 2.0 ug/dL
Hyperthyroid: > 2.0 ug/dL

Day(s) Test Set Up: Monday through Sunday
Run as received

Reported Time: Same Day

Comments: If the post T4 sample is not adequately suppressed, it may be due to:

1. The cat did not receive and adequate amount of T3, or
2. The cat is hyperthyroid.

If the cat received the T3, the postpill T3 concentration should be higher than the baseline T3 concentration.

Therapeutic Drug Monitoring Panels TDMP

Updated: 1/24/2018

Specimen Required: See individual panels

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Friday

Reported Time: See individual panels

Comments: Explanation for the following disease and drug monitoring (TDMs) is found in the General Panel Section of this Test Directory.

ACE Inhibitors
Addison's Disease Panel
Aminoglycosides
Amitriptyline/Clomepramine
Amlodipine
Calcitriol
Cushing's Disease Panel
Cyclosporin
Diabetes Mellitus Panel
Diazepam
Digoxin
Diuretics
Methylxanthines
NSAIDs
Phenobarbital
Potassium Bromide
Prednisone
Prozac
Basic Renal
Renal Panel I
Renal Panel II
Soloxine
Methimazole (Tapazole)

Patient education materials are available for each of these panels. Please call the marketing department at Phoenix Lab.

TLI, Canine 68

Updated: 1/31/2018

Specimen Required: 0.5 ml serum, RTT

Normal Test Value: See Report

Day(s) Test Set Up: Monday, Wednesday, Friday
(AM)

Reported Time: Same Day

Total Protein 132

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or RTT
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Total T4 244

Spectrophotometry Updated: 1/28/2018

Specimen Required: 1 SST or 1 RTT
Minimum: 0.5 mL serum

Peak samples are drawn 4-6 hours post pill
Trough samples are drawn just before the next dose.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Hemolyzed and icteric samples are ran.
Also known as Thyroxine

Total T4, Add-On 1237

Spectrophotometry Updated: 1/23/2018

Specimen Required: 1 SST or 1 RTT
Minimum: 0.5 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Available as add-on to existing panel.
Previous case ID is required to activate the discounted price.

Toxoplasmosis, IgG/IgM, Feline 1696

IFA Updated: 1/31/2018

Specimen Required: 1 SST or RTT, 0.2 mL serum

Normal Test Value: Negative

Day(s) Test Set Up: Monday, Wednesday, Friday
(AM)

Reported Time: Same Day

Comments: This test code is for felines only.
Positive titers will be repeated and reported on the next run day.

Trichrome Stain 1240

Microscopic Examination Updated: 1/25/2018

Specimen Required: Fresh feces collected within 24 hours or feces in fecal fixative (Proto-fix brand).
Proto-fix is supplied by the lab.

Normal Test Value: No protozoa observed

Day(s) Test Set Up: Monday through Sunday
(AM)

Reported Time: Same Day

Test Alias: Fecal Parasite Trichrome Stain

Comments: Screening for presence of protozoa. To rule out giardia, order Giardia/Cryptosporidium (IFA) #240.

Triglycerides 144

Spectrophotometry Updated: 1/31/2018

Specimen Required: 1 SST or RTT
Minimum: 0.5 mL serum
Patient SHOULD FAST 12 HRS PRIOR.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Tritrichomonas Fecal Cultures

1213

Culture

Updated: 1/25/2018

Specimen Required: 0.05 grams fresh feces
Feces may be submitted in "InPouch TF" test kit.
"InPouch TF" is available from Phoenix Laboratory as a CHARGEABLE supply.

IMPORTANT NOTE: The sample for this test should not be refrigerated or put in a cooler. Please submit your sample in a zip-lock bag labelled "Do Not Refrigerate." Cold temperatures will destroy the sample for testing.

PROCEDURE:

1. Pull open wired end-tabs, tear open the pouch at the notch.
2. Open pouch sufficiently to admit a wooden applicator stick by pulling the closure tape's middle tabs apart.

INOCULATION:

1. Pick-up approximately 0.05 grams, the size of a small peppercorn, fresh feces on applicator stick.
2. Insert applicator stick with sample into the liquid of the system's upper chamber.
3. Remove specimen from stick by rubbing stick with your fingers through the walls of the pouch.

IMMEDIATE MICROSCOPE EVALUATION:

1. Close top of pouch, fold down top edge and roll 3 times. Lock roll with the wired end-tabs.
2. Inspect upper chamber of pouch microscopically under low power (20x or 40x) for the presence of trichomonads.
3. Specimen can be concentrated by placing in a vertical position for 15 minutes and looking along lower edge of upper chamber for motile trophozoites.

CULTURE AND MICROSCOPIC EVALUATION:

1. Express contents of upper chamber into lower chamber.
2. Roll down pouch until tape is at the top of the label. Lock roll with wired end tabs.
3. Incubate pouch at room temperature. Always incubate pouch in a vertical position away from direct sunlight
4. Before examining contents of pouch under the microscope, mix contents by pulling pouch up and down across the edge of a counter approximately 3 - 4 times.
5. Examine lower chamber of pouch microscopically under low power (20x or 40x) for the presence of motile trichomonads.

6.Repeat evaluation every 2 days for 12 days.

7. Pouches may be discarded if culture remains negative for 12 days.

For additional information on Tritrichomonas foetus visit www.pclv.net and select "Publications."

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday (AM)

Reported Time: Negative at 12 Days

Comments: Tritrichomonas foetus is a flagellated protozoan parasite that can cause chronic large bowel diarrhea in cats. This organism exists only as a trophozoite, no cysts are formed. The trophozoite is approximately 10 - 12 microns in length. There are three to five anterior flagella and an undulating membrane with a trailing flagellum along the free edge.

TSH, (Thyroid Stimulating Hormone) Canine 248

Chemiluminescent Assay

Updated: 1/28/2018

Specimen Required: 1 RTT
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Included in Thyroid I, II and III Panels (see Specialty Panels-Canine).

TSH, Add-on 2481

Chemiluminescent Assay

Updated: 1/30/2018

Specimen Required: 1 RTT,
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday (AM/PM)

Reported Time: Same Day

Comments: Included in Thyroid I, II and III Panels (see Specialty Panels-Canine).

Uric Acid**133**

Spectrophotometry

Updated: 1/23/2018

Specimen Required: 1 SST or RTT
Minimum: 0.1 mL serum

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Urinalysis**159**

Macroscopic/Microscopic

Updated: 1/22/2018

Specimen Required: 5 mL urine
Please indicate collection method.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Includes: Urine specific gravity by refractometer, dipstick readings, and microscopic examination of sediment.

Urinalysis and Urine Culture w/ Sensitivity**548**

Macroscopic/Microscopic/Culture

Updated: 2/4/2018

Specimen Required: 1 mL urine in sterile container in addition to 5 mL urine

Whenever possible, urine should be collected by cystocentesis. When this is not possible, free-catch urine into sterile container. Urine collected on a swab will not allow a colony count to be provided. Refrigerate urine sample after collection.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: 36 - 60 Hours

Test Alias: Culture, Urine w/Urinalysis

Comments: Culture includes sensitivities on up to 2 isolates. Cultures are quantitated and reported as CFU/mL. No growth cultures are finalized after 48 hours of incubation.

Urinalysis, Add-on**169**

Macroscopic/Microscopic

Updated: 1/28/2018

Specimen Required: 5 mL urine; indicate method of collection.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Includes: Urine specific gravity by refractometer, dipstick readings, and microscopic examination of sediment. Can be added to an existing panel or profile. Previous case ID is required to activate the discounted price.

Urinalysis, Follow-up**1159**

Macroscopic/Microscopic

Updated: 1/28/2018

Specimen Required: 5 mL fresh urine
Please indicate method of collection

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: To be performed within 30 days of the original urinalysis. Previous case ID is required to activate the discounted price.

Urine Cortisol/Creatinine Ratio**234**

Chemiluminescent

Updated: 2/4/2018

- Specimen Required:** Urine, 3-4 mL
Please use urine tubes for transport.
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day
- Test Alias:** Cortisol/Creatinine Ratio
- Comments:** High urine cortisol/creatinine ratio ($> 20 \times 10^{-6}$) provides additional support for canine hyperadrenocorticism but is not specific for that condition. Many disorders cause an increased result. If not increased, hyperadrenocorticism is extremely unlikely.
- If the patient has been on steroids for > 14 days, discontinue for 2 weeks prior to testing. If < 14 days, discontinue for 48 hours prior to testing.
- If there is a high clinical suspicion of Cushing's disease, consider an ACTH response test to measure steroid hormones (atypical Cushing's).
- Note that both cortisol and creatinine have been converted to moles to get this ratio.

Urine Fractional Excretion**114**

ISE/Spectrophotometry

Updated: 1/31/2018

- Specimen Required:** 1 SST or RTT
Minimum: 0.5 mL serum, and
1 mL fresh urine collected at same time as blood
- Normal Test Value:** See Report
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Test Alias:** Fractional Excretion, Urine
- Comments:** Measuring sodium, potassium, chloride, calcium, phosphorus, GGT, and creatinine in both blood and urine to then calculate fractional excretion.

Urine Myoglobin**259**

Precipitation

Updated: 1/28/2018

- Specimen Required:** Urine
Minimum: 5 mL
- Normal Test Value:** Negative
- Day(s) Test Set Up:** Monday through Saturday
(AM)
- Reported Time:** Same Day
- Comments:** Clinical signs, CBC, and serum biochemistry results can usually eliminate requirement for this test.

Urine Protein**185**

Spectrophotometry

Updated: 1/28/2018

- Specimen Required:** 1 mL fresh urine
Please use urine tubes for transport.
- Normal Test Value:** Normals given when ran as UPCR, Test #681
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day

Urine Protein/Creatinine Ratio**681**

Spectrophotometry

Updated: 1/22/2018

- Specimen Required:** 1 mL fresh urine
Preferably collected by cystocentesis.
- Hemorrhage or inflammation will affect testing.
- Normal Test Value:** Canine/Feline: normal < 0.5
borderline 0.5-1.0
Values > 1.0 are suggestive of glomerular proteinuria.
- Day(s) Test Set Up:** Monday through Sunday
(AM/PM)
- Reported Time:** Same Day

Urine Sediment Only**155**

Microscopic Examination

Updated: 1/22/2018

Specimen Required: 5 mL fresh urine or sediment from 5 mL fresh urine

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Due to poor cellular preservation, this test is not suitable for diagnosis of malignancy. Recommend submission of urine sediment smears for Cytology.

For cytologic examination:

1. Place a drop of sediment on a slide and use a second slide to spread the material forward (blood smear technique). After advancing the spreader slide 2/3 of the distance of the bottom slide, lift the spreading slide directly upward. Cells will be concentrated in a line at the smear's end rather than spread as a feathered edge.
2. For chunky sediments, prepare a gentle squash prep. Place a drop of sediment on a slide, cover the material with a second slide to gently spread the material (do not press slides together). Rapidly pull slides apart in a horizontal motion.
3. After preparing slides (either method) - Air dry slides. Do not heat fix or refrigerate.

Definitive diagnosis of malignancy may require evaluation of tissue.

Urine, Microalbumin**NR**

Semi-quantitative

Updated: 1/22/2018

Specimen Required: Minimum: 2 mL volume urine sample

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Urine Specific Gravity**1059**

Refractometry

Updated: 1/22/2018

Specimen Required: 1 mL urine

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: Included in a Urinalysis, test #159.

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Vaccination (Immunization) Screen I, Feline 161

IFA

Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT
Minimum: 0.5 mL serum
- Normal Test Value:** Titer > 1:50 considered a protective level under normal circumstances.
Titer < 1:50 recommend vaccination.
- Day(s) Test Set Up:** Monday
(AM)
- Reported Time:** Same Day
- Test Alias:** Immunization Screen I, Feline
- Comments:** This screen is limited to feline calici and herpes virus. Also available is Immunization Screen II which screens for feline panleukopenia and herpes virus, and Immunization Screen III which screens for all three viruses.

Vaccination (Immunization) Screen II, Feline 1161

IFA

Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT
Minimum: 0.5 mL serum
- Normal Test Value:** Titer >1:50 considered a protective level under normal circumstances.
Titer <1:50 recommend vaccination.
- Day(s) Test Set Up:** Monday
(AM)
- Reported Time:** Same Day
- Test Alias:** Immunization Screen II, Feline
- Comments:** This screen is limited to feline panleukopenia and herpes virus. Also available is Immunization Screen I which tests for feline calici and herpes virus, and Immunization Screen III which screens for all three viruses.

Vaccination (Immunization) Screen III, Feline 2161

IFA

Updated: 1/22/2018

- Specimen Required:** 1 SST or RTT
0.5 mL serum
- Normal Test Value:** Titer > 1:50 considered a protective level under normal circumstances.
Titer < 1:50 recommend vaccination.
- Day(s) Test Set Up:** Monday
- Reported Time:** Same Day
- Test Alias:** Immunization Screen III, Feline
- Comments:** This screen is inclusive of Feline Immunization Screens I and II. Limited to feline panleukopenia, herpes, and calici viruses.

Vaccination Screen, Canine 156

IFA

Updated: 1/28/2018

- Specimen Required:** 1 SST or 1 RTT,
Minimum: 0.5 mL serum
- Normal Test Value:** > 1:50 Considered protective under normal circumstances.
< 1:50 Recommend vaccination.
- Day(s) Test Set Up:** Monday, Thursday
(AM)
- Reported Time:** Same Day
- Test Alias:** Immunization Screen, Canine
- Comments:** This test screens for antibodies to canine distemper and parvovirus.

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WBC (White Blood Cell)**353**

Flow Cytometry

Updated: 1/28/2018

Specimen Required: 1 LTT or 1 M-LTT (Microtainer) or
for avian/reptile samples:
1 GRNTT or 1 M-GRN

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Comments: This test is included in a CBC (Complete
Blood Count)

WBC Estimate and Differential**932**

Manual

Updated: 1/22/2018

Specimen Required: Air dried peripheral blood smears
Thoroughly dry slides before inserting
into slide holders.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

**WBC Estimate and Differential,
Avian/Nonmammalian****930**

Manual

Updated: 1/22/2018

Specimen Required: Air dried blood smears.
Thoroughly dry slides before inserting
into slide holders.

Normal Test Value: See Report

Day(s) Test Set Up: Monday through Sunday
(AM/PM)

Reported Time: Same Day

Test Alias: Avian/Nonmammalian WBC Estimate
and Differential

Wet Mount/KOH Preparation**510**

Microscopic Examination

Updated: 1/25/2018

Specimen Required: Skin scrapings; hair

Normal Test Value: Negative

Day(s) Test Set Up: Monday through Sunday
(AM)

Reported Time: Same Day

Test Alias: KOH Preparation/Wet Mount
Potassium Hydroxide (KOH) Preparation

Comments: Screening for presence of fungal
elements. It is strongly recommended
that a fungal culture be run to confirm
KOH prep results.

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