





































|   |                                    |                         |                 |                        |
|---|------------------------------------|-------------------------|-----------------|------------------------|
|       | Anion Gap                          | 16                      | 11 - 26 mmol/L  | <div><div></div></div> |
|       | <b>Total Protein</b>               | <b>4.7</b>              | 5.5 - 7.5 g/dL  | <div><div></div></div> |
|       | <b>Albumin</b>                     | <sup>b</sup> <b>1.5</b> | 2.7 - 3.9 g/dL  | <div><div></div></div> |
|       | Globulin                           | 3.2                     | 2.4 - 4.0 g/dL  | <div><div></div></div> |
|       | <b>Albumin:<br/>Globulin Ratio</b> | <b>0.5</b>              | 0.7 - 1.5       | <div><div></div></div> |
|       | ALT                                | 23                      | 18 - 121 U/L    | <div><div></div></div> |
|       | AST                                | 43                      | 16 - 55 U/L     | <div><div></div></div> |
|       | ALP                                | 17                      | 5 - 160 U/L     | <div><div></div></div> |
|       | GGT                                | 2                       | 0 - 13 U/L      | <div><div></div></div> |
|       | Bilirubin - Total                  | 0.2                     | 0.0 - 0.3 mg/dL | <div><div></div></div> |
|       | Bilirubin -<br>Unconjugated        | 0.1                     | 0.0 - 0.2 mg/dL | <div><div></div></div> |
|       | Bilirubin -<br>Conjugated          | <0.1                    | 0.0 - 0.1 mg/dL | <div><div></div></div> |
|       | <b>Cholesterol</b>                 | <b>88</b>               | 131 - 345 mg/dL | <div><div></div></div> |
|   | Triglyceride                       | 80                      | 20 - 150 mg/dL  | <div><div></div></div> |
|   | Amylase                            | 1,244                   | 337 - 1,469 U/L | <div><div></div></div> |
|   | Lipase                             | 392                     | 138 - 755 U/L   | <div><div></div></div> |
|   | Creatine Kinase                    | 139                     | 10 - 200 U/L    | <div><div></div></div> |
|   | Hemolysis Index                    | <sup>c</sup> N          |                 |                        |
|   | Lipemia Index                      | <sup>d</sup> N          |                 |                        |
|   | <b>Spec cPL</b>                    | <sup>e</sup> <b>567</b> | 0 - 200 µg/L    | <div><div></div></div> |

<sup>a</sup> SDMA IS INCREASED AND CREATININE IS WITHIN THE REFERENCE INTERVAL. IDEXX SDMA Test is a more reliable indicator of kidney function than creatinine because SDMA detects declining kidney function earlier and is not impacted by muscle mass. Creatinine can miss early function loss and be falsely decreased in patients with poor muscle mass. SDMA increases in acute and active injury as well as chronic kidney disease. A complete urinalysis should be performed to evaluate for inappropriate specific gravity, proteinuria and other evidence of kidney disease. If SDMA is 15-19 µg/dL and there is other evidence of kidney disease, action should be taken. If SDMA is 15-19 µg/dL with no other evidence of disease, recheck in 2-4 weeks. If SDMA ≥20 µg/dL or is persistently 15-19 µg/dL, regardless of whether there is other evidence of kidney disease, action should be taken. For information on recommended actions visit:

[www.idexx.com/SDMAalgorithm](http://www.idexx.com/SDMAalgorithm)

Note: SDMA reference interval in puppies is 0-16 µg/dL and in kittens is 0-14 µg/dL. SDMA reference interval studies are underway for Greyhounds, and results should be interpreted in light of other findings.

<sup>b</sup> RESULT VERIFIED BY REPEAT ANALYSIS

<sup>c</sup> Index of N, 1+, 2+ exhibits no significant effect on chemistry values.



**TROY HERNANDEZ** 79618

Patient Details ▼

[Order New Diagnostics](#)

2020

**Apr 29**

2019

**Nov 5**

Graphing

Result Details ▼

**COVID-19 UPDATE: Friendly reminder - Please continue to place all IDEXX Reference Labora...****Hematology**

4/29/20

3:34 AM



Click to view Differentials

|                      |            |                                     |                      |
|----------------------|------------|-------------------------------------|----------------------|
| RBC                  | 6.47       | 5.39 - 8.70 M/ $\mu$ L              | <input type="text"/> |
| Hematocrit           | 47.7       | 38.3 - 56.5 %                       | <input type="text"/> |
| Hemoglobin           | 15.8       | 13.4 - 20.7 g/dL                    | <input type="text"/> |
| MCV                  | 74         | 59 - 76 fL                          | <input type="text"/> |
| MCH                  | 24.4       | 21.9 - 26.1 pg                      | <input type="text"/> |
| MCHC                 | 33.1       | 32.6 - 39.2 g/dL                    | <input type="text"/> |
| % Reticulocyte       | 1.9        | %                                   | <input type="text"/> |
| <b>Reticulocytes</b> | <b>123</b> | <b>10 - 110 K/<math>\mu</math>L</b> | <input type="text"/> |

Reticulocyte  
Comment

The appropriateness of the regenerative response should be evaluated considering the degree of anemia and reticulocytosis (see guidelines below).

Degree of bone marrow response (reticulocytes K/uL):

Mild 110-150  
 Moderate 150-300  
 Marked >300

View the VetConnect Plus Differentials for additional information.

|                         |             |                                       |                      |
|-------------------------|-------------|---------------------------------------|----------------------|
| Reticulocyte Hemoglobin | 29.0        | 22.3 - 29.6 pg                        | <input type="text"/> |
| <b>WBC</b>              | <b>22.3</b> | <b>4.9 - 17.6 K/<math>\mu</math>L</b> | <input type="text"/> |
| % Neutrophils           | 81.0        | %                                     |                      |
| % Bands                 | 1.0         | %                                     |                      |
| % Lymphocytes           | 10.0        | %                                     |                      |
| % Monocytes             | 8.0         | %                                     |                      |
| % Eosinophils           | 0.0         | %                                     |                      |

Royal Canin Hydrolyzed Diet  
 Can only 2 - 2 1/2 cans / Day  
 Dry only 2 cups - 2 1/2 cups / Day  
 Both 1/2 can + 1/2 cup twice a day



Client: Morgan, Jeanette (33871)  
 Patient Name: Troy  
 Species: Canine  
 Breed:

Gender: Male/Castrated  
 Weight: 0.00 lbs  
 Age: 4 Years  
 Doctor: Dr. Erin Porter

| Test                              | Results            | Reference Interval | LOW  | NORMAL | HIGH |
|-----------------------------------|--------------------|--------------------|------|--------|------|
| ProCyt Dx (May 21, 2020 12:57 PM) |                    |                    |      |        |      |
| RBC                               | 4.76 M/ $\mu$ L    | 5.65 - 8.87        | LOW  |        |      |
| HCT                               | 31.1 %             | 37.3 - 61.7        | LOW  |        |      |
| HGB                               | 11.3 g/dL          | 13.1 - 20.5        | LOW  |        |      |
| MCV                               | 65.3 fL            | 61.6 - 73.5        |      |        |      |
| MCH                               | 23.7 pg            | 21.2 - 25.9        |      |        |      |
| MCHC                              | 36.3 g/dL          | 32.0 - 37.9        |      |        |      |
| RDW                               | 16.1 %             | 13.6 - 21.7        |      |        |      |
| %RETIC                            | 7.8 %              |                    |      |        |      |
| RETIC                             | 373.2 K/ $\mu$ L   | 10.0 - 110.0       | HIGH |        |      |
| RETIC-HGB                         | 25.1 pg            | 22.3 - 29.6        |      |        |      |
| WBC                               | * 20.54 K/ $\mu$ L | 5.05 - 16.76       | HIGH |        |      |
| %NEU                              | * 86.1 %           |                    |      |        |      |
| %LYM                              | * 8.6 %            |                    |      |        |      |
| %MONO                             | * 4.4 %            |                    |      |        |      |
| %EOS                              | * 0.0 %            |                    |      |        |      |
| %BASO                             | * 0.9 %            |                    |      |        |      |
| NEU                               | * 17.69 K/ $\mu$ L | 2.95 - 11.64       | HIGH |        |      |
| LYM                               | * 1.76 K/ $\mu$ L  | 1.05 - 5.10        |      |        |      |
| MONO                              | * 0.90 K/ $\mu$ L  | 0.16 - 1.12        |      |        |      |
| EOS                               | * 0.01 K/ $\mu$ L  | 0.06 - 1.23        | LOW  |        |      |
| BASO                              | * 0.18 K/ $\mu$ L  | 0.00 - 0.10        | HIGH |        |      |
| nRBC                              | * Suspected        |                    |      |        |      |
| PLT                               | 511 K/ $\mu$ L     | 148 - 484          | HIGH |        |      |
| MPV                               | 11.7 fL            | 8.7 - 13.2         |      |        |      |
| PDW                               | 11.4 fL            | 9.1 - 19.4         |      |        |      |
| PCT                               | 0.60 %             | 0.14 - 0.46        | HIGH |        |      |

\* Confirm with dot plot and/or blood film review.

1. Anemia with reticulocytosis-likely regenerative anemia



Client: Morgan, Jeanette (33871)  
 Patient Name: Troy  
 Species: Canine  
 Breed:

Gender: Male/Castrated  
 Weight: 0.00 lbs  
 Age: 4 Years  
 Doctor: Dr. Erin Porter

| Test                                      | Results     | Reference Interval | LOW | NORMAL | HIGH |
|---|-------------|--------------------|-----|--------|------|
| <b>Catalyst Dx (May 21, 2020 1:20 PM)</b> |             |                    |     |        |      |
| GLU                                       | 132 mg/dL   | 74 - 143           |     |        |      |
| CREA                                      | 0.8 mg/dL   | 0.5 - 1.8          |     |        |      |
| BUN                                       | 16 mg/dL    | 7 - 27             |     |        |      |
| BUN/CREA                                  | 20          |                    |     |        |      |
| PHOS                                      | 3.7 mg/dL   | 2.5 - 6.8          |     |        |      |
| CA  | 6.3 mg/dL   | 7.9 - 12.0         | LOW |        |      |
| TP  | 4.4 g/dL    | 5.2 - 8.2          | LOW |        |      |
| ALB                                       | 1.8 g/dL    | 2.3 - 4.0          | LOW |        |      |
| GLOB                                      | 2.6 g/dL    | 2.5 - 4.5          |     |        |      |
| ALB/GLOB                                  | 0.7         |                    |     |        |      |
| ALT                                       | 238 U/L     | 10 - 125           |     |        | HIGH |
| ALKP                                      | 28 U/L      | 23 - 212           |     |        |      |
| GGT                                       | 0 U/L       | 0 - 11             |     |        |      |
| TBIL                                      | < 0.1 mg/dL | 0.0 - 0.9          |     |        |      |
| CHOL                                      | 41 mg/dL    | 110 - 320          | LOW |        |      |
| AMYL                                      | 985 U/L     | 500 - 1500         |     |        |      |
| LIPA                                      | 976 U/L     | 200 - 1800         |     |        |      |
| Na  | 148 mmol/L  | 144 - 160          |     |        |      |
| K   | 3.7 mmol/L  | 3.5 - 5.8          |     |        |      |
| Na/K                                      | 40          |                    |     |        |      |
| Cl  | 109 mmol/L  | 109 - 122          |     |        |      |
| Osm Calc                                  | 295 mmol/kg |                    |     |        |      |