

Client: MAMA, ELSIE (106993)
 Patient Name: PRINCE
 Species: Canine
 Breed: Other

Gender: Male
 Weight: 5.50 lbs
 Age: 3 Months
 Doctor: ALYNN ALBARECE

| Test | Results | Reference Interval | LOW | NORMAL | HIGH |
|---------------------------------------|-------------------|--------------------|------|--------|---------------------|
| ProCyte Dx (January 25, 2021 5:17 AM) | | | | | |
| | | | | | 1/12/21 10:28 PM |
| RBC | 6.97 M/ μ L | 5.65 - 8.87 | | | 5.34 M/ μ L |
| HCT | 41.4 % | 37.3 - 61.7 | | | 30.9 % |
| HGB | 14.2 g/dL | 13.1 - 20.5 | | | 11.0 g/dL |
| MCV | 59.4 fL | 61.6 - 73.5 | LOW | | 57.9 fL |
| MCH | 20.4 pg | 21.2 - 25.9 | LOW | | 20.6 pg |
| MCHC | 34.3 g/dL | 32.0 - 37.9 | | | 35.6 g/dL |
| RDW | 16.6 % | 13.6 - 21.7 | | | 15.4 % |
| %RETIC | 0.3 % | | | | 1.2 % |
| RETIC | 18.8 K/ μ L | 10.0 - 110.0 | | | 63.0 K/ μ L |
| RETIC-HGB | 18.8 pg | 22.3 - 29.6 | LOW | | 21.1 pg |
| WBC | * 3.80 K/ μ L | 5.05 - 16.76 | LOW | | * 17.43 K/ μ L |
| %NEU | * 37.5 % | | | | * 86.6 % |
| %LYM | * 41.1 % | | | | * 7.2 % |
| %MONO | * 15.8 % | | | | * 4.1 % |
| %EOS | * 5.3 % | | | | * 2.0 % |
| %BASO | * 0.3 % | | | | * 0.1 % |
| NEU | * 1.43 K/ μ L | 2.95 - 11.64 | LOW | | * 15.11 K/ μ L |
| BAND | * Suspected | | | | |
| LYM | * 1.56 K/ μ L | 1.05 - 5.10 | | | * 1.25 K/ μ L |
| MONO | * 0.60 K/ μ L | 0.16 - 1.12 | | | * 0.72 K/ μ L |
| EOS | * 0.20 K/ μ L | 0.06 - 1.23 | | | * 0.34 K/ μ L |
| BASO | * 0.01 K/ μ L | 0.00 - 0.10 | | | * 0.01 K/ μ L |
| PLT | * 105 K/ μ L | 148 - 484 | LOW | | * 37 K/ μ L |
| MPV | * 13.3 fL | 8.7 - 13.2 | HIGH | | * 13.4 fL |
| PDW | * 12.8 fL | 9.1 - 19.4 | | | -- fL |
| PCT | * 0.14 % | 0.14 - 0.46 | | | * 0.05 % |

PLT Aggregates Detected
 * Confirm with dot plot and/or blood film review.

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1. Normal PCT-likely adequate platelet mass
2. Low RETIC-HGB-decreased iron availability (consider inflammation, iron deficiency, PSS, breed-related microcytosis)

1. Immature and/or toxic neutrophils likely present - consider active inflammation

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|---|--------------------|--------------------|-----|--------|------|
| ProCyte Dx (January 12, 2021 10:28 PM) | | | | | |
| RBC | 5.34 M/ μ L | 5.65 - 8.87 | LOW | | |
| HCT | 30.9 % | 37.3 - 61.7 | LOW | | |
| HGB | 11.0 g/dL | 13.1 - 20.5 | LOW | | |
| MCV | 57.9 fL | 61.6 - 73.5 | LOW | | |
| MCH | 20.6 pg | 21.2 - 25.9 | LOW | | |
| MCHC | 35.6 g/dL | 32.0 - 37.9 | | | |
| RDW | 15.4 % | 13.6 - 21.7 | | | |
| %RETIC | 1.2 % | | | | |
| RETIC | 63.0 K/ μ L | 10.0 - 110.0 | | | |
| RETIC-HGB | 21.1 pg | 22.3 - 29.6 | LOW | | |
| WBC | * 17.43 K/ μ L | 5.05 - 16.76 | | | HIGH |
| %NEU | * 86.6 % | | | | |
| %LYM | * 7.2 % | | | | |
| %MONO | * 4.1 % | | | | |
| %EOS | * 2.0 % | | | | |
| %BASO | * 0.1 % | | | | |
| NEU | * 15.11 K/ μ L | 2.95 - 11.64 | | | HIGH |
| LYM | * 1.25 K/ μ L | 1.05 - 5.10 | | | |
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| MPV | * 13.4 fL | 8.7 - 13.2 | | | HIGH |
| PDW | -- fL | 9.1 - 19.4 | | | |
| PCT | * 0.05 % | 0.14 - 0.46 | LOW | | |

PLT Aggregates Detected

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

1. Anemia without reticulocytosis-likely non-regenerative anemia; consider pre-regenerative anemia
2. Low RETIC-HGB-decreased iron availability (consider inflammation, iron deficiency, PSS, breed-related microcytosis)

Catalyst One (January 25, 2021 5:29 AM)

| | | | | | |
|----------|-----------|-----------|--|--|--|
| CREA | 0.3 mg/dL | 0.3 - 1.2 | | | |
| BUN | 15 mg/dL | 7 - 29 | | | |
| BUN/CREA | 51 | | | | |
| ALT | 41 U/L | 8 - 75 | | | |
| AST | 22 U/L | 0 - 50 | | | |
| ALKP | 310 U/L | 46 - 337 | | | |

Parvo (January 25, 2021 5:26 AM)

Parvo Positive