

Client: ALVAREZ, JOY (112924)  
 Patient Name: PENPEN  
 Species: Canine  
 Breed: Other

Gender: Male  
 Weight:  
 Age: 2 Years  
 Doctor:

| Test   | Results         | Reference Interval | LOW | NORMAL | HIGH |
|--|-----------------|--------------------|-----|--------|------|
| <b>ProCyte Dx (December 4, 2024 4:33 PM)</b> |                 |                    |     |        |      |
| RBC  | 9.02 M/ $\mu$ L | 5.65 - 8.87        |     |        | HIGH |
| HCT  | * 61.3 %        | 37.3 - 61.7        |     |        |      |
| HGB  | 20.1 g/dL       | 13.1 - 20.5        |     |        |      |
| MCV  | 68.0 fL         | 61.6 - 73.5        |     |        |      |
| MCH  | 22.3 pg         | 21.2 - 25.9        |     |        |      |
| MCHC   | 32.8 g/dL       | 32.0 - 37.9        |     |        |      |
| RDW  | 20.9 %          | 13.6 - 21.7        |     |        |      |
| %RETIC                                       | 0.1 %           |                    |     |        |      |
| RETIC  | 6.3 K/ $\mu$ L  | 10.0 - 110.0       | LOW |        |      |
| RETIC-HGB                                    | 20.7 pg         | 22.3 - 29.6        | LOW |        |      |
| WBC  | 6.44 K/ $\mu$ L | 5.05 - 16.76       |     |        |      |
| %NEU   | 70.5 %          |                    |     |        |      |
| %LYM   | 15.1 %          |                    |     |        |      |
| %MONO  | 5.7 %           |                    |     |        |      |
| %EOS   | 8.1 %           |                    |     |        |      |
| %BASO  | 0.6 %           |                    |     |        |      |
| NEU  | 4.54 K/ $\mu$ L | 2.95 - 11.64       |     |        |      |
| LYM  | 0.97 K/ $\mu$ L | 1.05 - 5.10        | LOW |        |      |
| MONO   | 0.37 K/ $\mu$ L | 0.16 - 1.12        |     |        |      |
| EOS  | 0.52 K/ $\mu$ L | 0.06 - 1.23        |     |        |      |
| BASO   | 0.04 K/ $\mu$ L | 0.00 - 0.10        |     |        |      |
| PLT  | 243 K/ $\mu$ L  | 148 - 484          |     |        |      |
| MPV  | 13.3 fL         | 8.7 - 13.2         |     |        | HIGH |
| PDW  | 14.0 fL         | 9.1 - 19.4         |     |        |      |
| PCT  | 0.32 %          | 0.14 - 0.46        |     |        |      |

1. Low RETIC-HGB - Decreased iron availability (consider inflammation, iron deficiency, PSS, breed-related microcytosis).

1. Lymphopenia - Likely stress leukogram (glucocorticoid response).

**Catalyst One (December 4, 2024 5:06 PM)**

|      |            |           |  |  |  |
|------|------------|-----------|--|--|--|
| Na   | 156 mmol/L | 144 - 160 |  |  |  |
| K    | 4.6 mmol/L | 3.5 - 5.8 |  |  |  |
| Na/K | 34         |           |  |  |  |
| Cl   | 118 mmol/L | 109 - 122 |  |  |  |

**Catalyst One (December 4, 2024 4:52 PM)**

|          |              |           |  |  |  |
|----------|--------------|-----------|--|--|--|
| SDMA     | 8 $\mu$ g/dL | 0 - 14    |  |  |  |
| CREA     | 0.9 mg/dL    | 0.5 - 1.8 |  |  |  |
| BUN      | 15 mg/dL     | 7 - 27    |  |  |  |
| BUN/CREA | 16           |           |  |  |  |
| ALT      | 40 U/L       | 10 - 125  |  |  |  |
| AST      | 38 U/L       | 0 - 50    |  |  |  |
| ALKP     | 46 U/L       | 23 - 212  |  |  |  |

SDMA:

SDMA and CREA within reference interval: impairment of GFR is unlikely. Recommended next step: evaluate complete urinalysis.