

Client: MIEMPIN, MARY ANN (111025) Gender: Female
 Patient Name: PEPPER Weight:
 Species: Canine Age: 4 Years
 Breed: Shih Tzu Doctor:

Test	Results	Reference Interval	LOW	NORMAL	HIGH
ProCyte Dx (March 16, 2023 9:49 AM)					
					3/16/23 9:23 AM
RBC	2.14 M/ μ L	5.65 - 8.87	LOW		2.14 M/ μ L
HCT	12.7 %	37.3 - 61.7	LOW		12.7 %
HGB	3.7 g/dL	13.1 - 20.5	LOW		3.7 g/dL
MCV	59.3 fL	61.6 - 73.5	LOW		59.3 fL
MCH	17.3 pg	21.2 - 25.9	LOW		17.3 pg
MCHC	29.1 g/dL	32.0 - 37.9	LOW		29.1 g/dL
RDW	26.0 %	13.6 - 21.7	HIGH		26.7 %
%RETIC	19.3 %				18.9 %
RETIC	412.6 K/ μ L	10.0 - 110.0	HIGH		404.5 K/ μ L
RETIC-HGB	16.4 pg	22.3 - 29.6	LOW		17.3 pg
WBC	33.82 K/ μ L	5.05 - 16.76	HIGH		33.57 K/ μ L
%NEU	* 65.3 %				* 63.8 %
%LYM	* 23.4 %				* 25.0 %
%MONO	* 9.2 %				* 9.3 %
%EOS	1.9 %				1.8 %
%BASO	0.2 %				0.1 %
NEU	* 22.07 K/ μ L	2.95 - 11.64	HIGH		* 21.44 K/ μ L
BAND	* Suspected				* Suspected
LYM	* 7.92 K/ μ L	1.05 - 5.10	HIGH		* 8.38 K/ μ L
MONO	* 3.12 K/ μ L	0.16 - 1.12	HIGH		* 3.12 K/ μ L
EOS	0.65 K/ μ L	0.06 - 1.23			0.59 K/ μ L
BASO	0.06 K/ μ L	0.00 - 0.10			0.04 K/ μ L
PLT	* 0 K/ μ L	148 - 484	LOW		* 0 K/ μ L
MPV	14.3 fL	8.7 - 13.2	HIGH		13.7 fL
PDW	-- fL	9.1 - 19.4			-- fL
PCT	0.00 %	0.14 - 0.46	LOW		0.00 %

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

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1. Anemia with reticulocytosis - Likely regenerative anemia.
2. Increased RDW - Anisocytosis present - review blood film.
3. Microcytic hypochromic anemia - Likely iron-deficiency anemia.
4. Low RETIC-HGB - Decreased iron availability (consider inflammation, iron deficiency, PSS, breed-related microcytosis).

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

Test	Results	Reference Interval	LOW	NORMAL	HIGH
ProCyte Dx (March 16, 2023 9:23 AM)					
					12/2/22 10:31 AM
RBC	2.14 M/ μ L	5.65 - 8.87	LOW		6.21 M/ μ L
HCT	12.7 %	37.3 - 61.7	LOW		35.9 %
HGB	3.7 g/dL	13.1 - 20.5	LOW		12.3 g/dL
MCV	59.3 fL	61.6 - 73.5	LOW		57.8 fL
MCH	17.3 pg	21.2 - 25.9	LOW		19.8 pg
MCHC	29.1 g/dL	32.0 - 37.9	LOW		34.3 g/dL
RDW	26.7 %	13.6 - 21.7	HIGH		16.3 %
%RETIC	18.9 %				1.8 %
RETIC	404.5 K/ μ L	10.0 - 110.0	HIGH		114.3 K/ μ L
RETIC-HGB	17.3 pg	22.3 - 29.6	LOW		24.7 pg
WBC	33.57 K/ μ L	5.05 - 16.76	HIGH		18.61 K/ μ L
%NEU	* 63.8 %				70.7 %
%LYM	* 25.0 %				15.7 %
%MONO	* 9.3 %				4.4 %
%EOS	1.8 %				8.0 %

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ProCyte Dx (March 16, 2023 9:23 AM)					12/2/22 10:31 AM
%BASO	0.1 %				1.2 %
NEU	* 21.44 K/ μ L	2.95 - 11.64			13.16 K/ μ L
BAND	* Suspected				
LYM	* 8.38 K/ μ L	1.05 - 5.10			2.93 K/ μ L
MONO	* 3.12 K/ μ L	0.16 - 1.12			0.82 K/ μ L
EOS	0.59 K/ μ L	0.06 - 1.23			1.48 K/ μ L
BASO	0.04 K/ μ L	0.00 - 0.10			0.22 K/ μ L
PLT	* 0 K/ μ L	148 - 484	LOW		331 K/ μ L
MPV	13.7 fL	8.7 - 13.2			12.2 fL
PDW	-- fL	9.1 - 19.4			12.4 fL
PCT	0.00 %	0.14 - 0.46	LOW		0.40 %

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

1. Anemia with reticulocytosis - Likely regenerative anemia.
2. Increased RDW - Anisocytosis present - review blood film.
3. Microcytic hypochromic anemia - Likely iron-deficiency anemia.
4. Low RETIC-HGB - Decreased iron availability (consider inflammation, iron deficiency, PSS, breed-related microcytosis).

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

Catalyst One (March 16, 2023 9:53 AM)

CREA	1.0 mg/dL	0.5 - 1.8			
BUN	30 mg/dL	7 - 27			HIGH
BUN/CREA	30				
ALT	30 U/L	10 - 125			
AST	41 U/L	0 - 50			
ALKP	31 U/L	23 - 212			