

Client: MADERAL, MARY (103574)
 Patient Name: SPOTTIE
 Species: Canine
 Breed: Mixed

Gender: Female
 Weight:
 Age: 14 Years
 Doctor:

Test	Results	Reference Interval	LOW	NORMAL	HIGH
ProCyte Dx (November 11, 2024 1:50 PM)					
					11/11/24 1:47 PM
RBC	6.80 M/μL	5.65 - 8.87			0.00 M/μL
HCT	42.5 %	37.3 - 61.7			0.0 %
HGB	15.1 g/dL	13.1 - 20.5			0.0 g/dL
MCV	62.5 fL	61.6 - 73.5			0.0 fL
MCH	22.2 pg	21.2 - 25.9			0.0 pg
MCHC	35.5 g/dL	32.0 - 37.9			0.0 g/dL
RDW	20.6 %	13.6 - 21.7			-- %
%RETIC	0.5 %				-- %
RETIC	36.7 K/μL	10.0 - 110.0			0.0 K/μL
RETIC-HGB	20.7 pg	22.3 - 29.6	LOW		9.6 pg
WBC	14.78 K/μL	5.05 - 16.76			0.01 K/μL
%NEU	* 60.0 %				-- %
%LYM	* 21.0 %				-- %
%MONO	* 14.3 %				-- %
%EOS	4.7 %				-- %
%BASO	0.0 %				-- %
NEU	* 8.87 K/μL	2.95 - 11.64			-- K/μL
BAND	* Suspected				
LYM	* 3.10 K/μL	1.05 - 5.10			-- K/μL
MONO	* 2.11 K/μL	0.16 - 1.12		HIGH	-- K/μL
EOS	0.70 K/μL	0.06 - 1.23			-- K/μL
BASO	0.00 K/μL	0.00 - 0.10			-- K/μL
PLT	191 K/μL	148 - 484			0 K/μL
MPV	13.2 fL	8.7 - 13.2			8.4 fL
PDW	11.8 fL	9.1 - 19.4			-- fL
PCT	0.25 %	0.14 - 0.46			0.00 %

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

1. 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 (November 11, 2024 1:47 PM)					
					8/24/24 11:20 AM
RBC	0.00 M/μL	5.65 - 8.87	LOW		7.94 M/μL
HCT	0.0 %	37.3 - 61.7	LOW		50.0 %
HGB	0.0 g/dL	13.1 - 20.5	LOW		17.8 g/dL
MCV	0.0 fL	61.6 - 73.5	LOW		63.0 fL
MCH	0.0 pg	21.2 - 25.9	LOW		22.4 pg
MCHC	0.0 g/dL	32.0 - 37.9	LOW		35.6 g/dL
RDW	-- %	13.6 - 21.7			19.0 %
%RETIC	-- %				0.5 %
RETIC	0.0 K/μL	10.0 - 110.0	LOW		35.7 K/μL
RETIC-HGB	9.6 pg	22.3 - 29.6	LOW		18.0 pg
WBC	0.01 K/μL	5.05 - 16.76	LOW		10.81 K/μL
%NEU	-- %				75.6 %
%LYM	-- %				14.8 %
%MONO	-- %				8.3 %
%EOS	-- %				1.2 %
%BASO	-- %				0.1 %
NEU	-- K/μL	2.95 - 11.64			8.17 K/μL
LYM	-- K/μL	1.05 - 5.10			1.60 K/μL
MONO	-- K/μL	0.16 - 1.12			0.90 K/μL

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ProCyte Dx (November 11, 2024 1:47 PM)					8/24/24 11:20 AM
EOS	-- K/ μ L	0.06 - 1.23			0.13 K/ μ L
BASO	-- K/ μ L	0.00 - 0.10			0.01 K/ μ L
PLT	0 K/ μ L	148 - 484	LOW		401 K/ μ L
MPV	8.4 fL	8.7 - 13.2	LOW		12.3 fL
PDW	-- fL	9.1 - 19.4			11.3 fL
PCT	0.00 %	0.14 - 0.46	LOW		0.49 %

1. Anemia without reticulocytosis - Likely non-regenerative anemia; consider pre-regenerative anemia.
2. Microcytic hypochromic anemia - Likely iron-deficiency anemia.
3. Low RETIC-HGB - Decreased iron availability (consider inflammation, iron deficiency, PSS, breed-related microcytosis).

Catalyst One (November 11, 2024 1:53 PM)					9/17/24 9:46 AM
SDMA	11 μ g/dL	0 - 14			
CREA	1.1 mg/dL	0.5 - 1.8			1.2 mg/dL
BUN	21 mg/dL	7 - 27			23 mg/dL
BUN/CREA	19				18
ALT	27 U/L	10 - 125			48 U/L
AST	51 U/L	0 - 50		HIGH	49 U/L
ALKP	261 U/L	23 - 212		HIGH	251 U/L

SDMA:

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