

Sheet1

		Range	Euclid	Median	
<b>Erythrocytes:</b>	Red blood cells.	6.50 – 12.2	6.09	5.70	anaemia?
<b>Leukocytes:</b>	White blood cells; two main groups.	2.87 – 17.02	23.88	14.15	inflammation, infection
1. Granular Leukocytes (granulocytes): short-lived; 3 types:					
(a) Neutrophils:	attack bacteria.	2.30 – 10.29	19.10	7.99	inflammation, infection
(b) Eosinophils:	present in almost all immune responses.	0.17 – 1.57	0.41	1.40	low during inflammation, stress
(c) Basophils:	primarily combat allergic reactions.	0.01 – 0.26	0.01	0.25	low count is not significant
2. Mononuclear Leukocytes (non-granular): two main groups:					
(a) Lymphocytes:	two main types: B cells and T cells.	0.92 – 6.88	3.29	5.96	inflammation, stress, lymphoma, lymph disorc
(i) B cells:	produce antibodies to attack invading bacteria, viruses and toxins.				
(ii) T cells:	destroy the body's own cells which have been compromised/taken over.				
(b) Monocytes:	turns into macrophage or dendritic cells when invaders enter the body.	0.05 – 0.67	1.07	0.62	inflammation, infection
<b>Potassium:</b>	Seen frequently in sick cats. Main effect is generalised muscle weakness. Can cause lack of appetite. Common cause is chronic kidney failure. Quickly corrected by potassium supplements	3.5 – 5.8	3.00	2.30	Low level can be caused by decreased food intake; side-effect of diabetes
Temperature:	Normal: 38.1 – 39.2°C		??		

How to Interpret your Pet's Bloodwork: <https://themeowingvet.com/2016/09/09/smarty-pants-interpret-pets-bloodwork/>

Euclid Blood Test: <https://kestrel.ws/downloads/Euclid-blood-test-ed-2022.06.01.pdf>

Leukocyte: <https://medical-dictionary.thefreedictionary.com/leukocyte>

Body Systems & Organs: <https://my.clevelandclinic.org/health/body>