

Hematology (Complete Blood Count) Reference Ranges

	Conventional Units (USA)	SI Units	Dog	Cat	Cow	Horse	Pig	Sheep	Goat	Rabbit
PCV	%	× 10 ⁻² L/L	35- 57	30- 45	24- 46	27-43	32- 50	27-45	22- 38	30-50
Hgb	g/dL	× 10 g/L	11.9-	9.8 - 15.4	8–15	10.1- 16.1	10- 16	9–15	8–12	8–15
RBCs	× 10 ⁶ /mcL	× 10 ¹² /L	4.95- 7.87	5.0- 10.0	5.0- 10.0	6.0- 10.4	5–8	9–15	8–18	4–7
Reticulocytes	%	%	0-1.0	0- 0.6			0- 1.0			
Absolute reticulocyte count	× 10 ³ /mcL	× 10 ⁹ /L	< 80	< 60						
MCV	fL	fL	66- 77	39- 55	40- 60	37–49	50- 68	28-40	16- 25	58-67
МСН	pg	pg	21.0- 26.2	13- 17	11– 17	13.7- 18.2	17- 21	8–12	5.2-8	17.1– 23.5

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МСНС	g/dL	× 10 g/L	32.0- 36.3	30- 36	30- 36	35.3- 39.3	30- 34	31-34	30- 36	29-37
Platelets	× 10 ³ /mcL	× 10 ⁹ /L	211- 621	300- 800	100– 800	117- 256	200– 500	800– 1,100	300- 600	250– 650
MPV	fL	fL	6.1–10.1	12- 18	3.5- 6.5	4.0- 6.0				
WBCs	× 10 ³ /mcL	× 10 ⁹ /L	5.0- 14.1	5.5- 19.5	4.0- 12.0	5.6- 12.1	11– 22	4-8	4–13	6–12
Neutrophils	%	%	58- 85	45- 64	15– 33	52-70	28- 47	10-50	30- 48	20-60
(segmented)	× 10 ³ /mcL	× 10 ⁹ /L	2.9- 12.0	2.5- 12.5	0.6- 4.0	2.9- 8.5	2–15	0.7– 6.0	1.0- 7.2	1-9.4
Neutrophils	%	%	0-3	0-2	0-2	0–1	0-4	0	rare	
(band)	× 10 ³ /mcL	× 10 ⁹ /L	0- 0.45	0-	0- 0.1	0-0.1	0- 0.8	Rare	Rare	
Lymphocytes	%	%	8–21	27– 36	45– 75	21–42	39- 62	40-55	50- 70	30-85
	× 10 ³ /mcL	× 10 ⁹ /L	0.4-2.9	1.5- 7.0	2.5- 7.5	1.2- 5.1	3.8- 16.5	2-9	2-9	1.6– 10.6

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Monocytes	%	%	2–10	0-5	0–8	0–6	2–10	0-6	0–4	1-4
	× 10 ³ /mcL	× 10 ⁹ /L	0.1-	0-	0- 0.9	0-0.7	0–1	0- 0.75	0- 0.55	0.05- 0.5
Eosinophils	%	%	0-9	0-4	0–20	0–7	0.5– 11	0–10	1–8	1–4
	× 10 ³ /mcL	× 10 ⁹ /L	0-1.3	0-	0- 2.4	0-0.8	0- 1.5	0–1	0.05- 0.65	0.05- 0.5
Basophils	%	%	0-1	0-1	0–2	0–2	0–2	0-3	0–1	1–5
	× 10 ³ /mcL	× 10 ⁹ /L	0-0.14	0-0.2	0- 0.2	0-0.3	0- 0.5	0-0.3	0- 0.12	0.05- 0.9
M:E			0.75- 2.5	0.6- 3.9	0.3- 1.8	0.5- 1.5	1.2- 2.2	0.77– 1.7	0.7- 1.0	
Plasma proteins	g/dL	10 g/L	6.0 - 7.5	6.0- 7.5	6.0- 8.0	6.0- 8.5	6–8	6–7.5	6-7.5	5.4- 8.3
Plasma fibrinogen	mg/dL	g/L	150- 300	150- 300	100– 600	100– 500	200– 400	100- 500	100- 400	200– 400