

Pack Cell Volume and Total Protein Interpretation

PCV	TP	Interpretation
↑	N	Splenic contraction, HGE, dehydration with hypoproteinemia, polycythaemia, hyperthyroidism
↑	↑	Dehydration, fluid shift
↑	↓	Severe dehydration, HGE, hemorrhage with splenic contraction
N/↑	↓	Haemorrhage with splenic contraction, protein losing enteropathy/nephropathy, decreased protein production
N	N	Normal hydration, acute haemorrhage
N	↑	Anaemia with dehydration (eg CRF), hyperproteinemia, chronic globulin stimulation (eg dental disease)
↓	N	Chronic RBC loss (eg haemolytic anaemia), reduced RBC production
↓	↓	Aggressive fluid therapy, blood dilution, chronic blood loss (eg melena)
↓	↑	Anaemia of chronic disease

Normal Cat Values

PCV: 24 - 45%
TP: 54 - 78g/L

Normal Dog Values

PCV: 37 - 55%
TP: 54 - 71g/L

Total Protein measurement assumed with refractometer.
Published values may vary. Normal values vary between breeds and life stages.
References listed on other side.

References

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