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**“G” TESTS**

Test Name	Synonyms	Panels	Clinical Significance
Gamma-Glutamyl Transferase	GGT, Gamma-Glutamyl Transpeptidase, GGTP, Gamma-GT, GTP	Vet CMP, Vet Liver Panel	GGT will increase in longer-term liver damage and is particularly useful in horses and ruminants.
Giardia, FAB Coproscopy			This test is used to detect the presence of Giardia in stool.
Globulin, Calculated		Vet BMP, Vet CMP, Vet Liver Panel	Globulin is calculated from Albumin and Total Protein. It is used to aid in identifying the potential presence of inflammation or infectious disease.
Glucose		Vet CMP	Glucose increases due to high-carbohydrate meals, sprint exercise, stress or excitement (including handling and sampling stress), glucocorticoid therapy, Cushing's disease, over-infusion with glucose/dextrose-containing IV fluids, and diabetes mellitus. It decreases due to insulin overdose, insulinoma, islet cell hyperplasia (uncommon), acetonemia/pregnancy toxemia, acute febrile illness, and idiopathically (in certain dog breeds).
Glucose, Estimated Average	eAG, Estimated Average Glucose		Estimated average glucose is calculated using the results of the Hemoglobin A1c to estimate average blood glucose levels over the last 2-3 months. This value is used to help determine increased risk of developing diabetes, to help diagnose diabetes and prediabetes, and/or to help monitor diabetes and to aid in treatment decisions.