

# Dr paws hospital new giza

## Biochemical Inspection Report

Species: Dog ID: 01098648285 Patient: polar  
 Owner: Ms. Fuchillo Gender: Male Age: 10 Years  
 Sample Type: serum Diagnosis:  
 LOT: 34220-10-0148-0227-89-250651-16358

Item	Result	Unit	Ranges	Indicator		
				Low	Normal	High
TP	7.00	g/dL	5.2-8.2	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
ALB	4.00	g/dL	2.2-4.4	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
GLO	3.00	g/dL	2.3-5.2	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
A/G	1.30					
TBIL	0.32	mg/dL	0.1-0.9	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
AST	32.0	U/L	8.9-55	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
ALT	82.0	U/L	10-140	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
AST/ALT	0.39					
GGT	14.40	U/L	0-7	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: red; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
ALP	47.0	U/L	20-150	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
TBA	6.95	umol/L	0-20	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
BUN	19.5	mg/dL	7-32	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
CRE	1.14	mg/dL	0.3-1.7	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
BUN/CRE	17.0					
AMY	569.0	U/L	200-1800	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
LPS	46.20	U/L	0-258	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
GLU	81.0	mg/dL	70-143	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
CHOL	196.0	mg/dL	110-320	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
K+	5.77	mmol/L	3.7-5.8	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
Na+	149.0	mmol/L	138-160	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
Na+/K+	26.0					
Cl-	111.0	mmol/L	106-130	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
tCO2	22.0	mmol/L	12-27	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
Ca	9.90	mg/dL	7.9-11.8	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
P	4.58	mg/dL	2.5-6.8	<div style="width: 100%; border: 1px solid black; position: relative;"><div style="position: absolute; top: -10px; left: 50%; transform: translate(-50%, -100%);">Low</div><div style="position: absolute; top: -10px; right: 50%; transform: translate(50%, -100%);">High</div><div style="background-color: black; width: 10%; height: 10px; margin: 5px auto;"></div></div>		
Ca*P	45.0	mg/dL				
AG	17.00	mmol/L				

Item	Clinical significance
TP	↑Commonly seen in dehydration and the increase of immunoglobulin; ↓Commonly seen in malnutrition, chronic inflammation, diseases related to liver, kidney and gastrointestinal canal;
ALB	↑Commonly seen in dehydration; ↓Commonly seen in malnutrition, damage of liver function, massive bleeding, parasite and other consumptive diseases related to intestinal tract;
GLO	↑Commonly seen in chronic inflammation and infection; ↓No clinical significance;
A/G	Reduction is common in liver diseases (such as chronic hepatitis, cirrhosis, liver cancer, liver injury, etc.), nephrotic syndrome, acute and chronic nephritis, infection or malnutrition.
TBIL	↑Commonly seen in abnormal function of liver and gallbladder; ↓Commonly seen in anemia;

Remark: Due to the complexity and individuality of the test results of specific cases, the interpretation of clinical significance is for reference only and cannot serve as the evidence for specific disease diagnoses.

Submit Datetime: 2025-10-14 03:43 Analysis Datetime: 2025-10-11 16:13 Print Datetime: 2025-10-11 06:38  
 Submitt: Operator: Reviewer:  
 Remark: *The result is only responsible for this sample*

AST	↑Commonly seen in diseases of the liver and biliary system, bone and muscle diseases, myocarditis, myocardial infarction and metabolic disorder; ↓Commonly seen in Vitamin B6 deficiency and hepatocirrhosis;
ALT	↑Commonly seen in primary hepatocellular disease, diseases of the liver and biliary system, metabolic disorder and secondary liver disease; ↓No clinical significance;
AST/ALT	To judge the course, severity, prognosis of liver disease. It is an important parameter in the diagnosis, differential diagnosis, judge progress and changes of acute and chronic hepatitis.
GGT	↑Commonly seen in diseases of liver and bile, blockage of bile vessel, icterus and acute pancreatitis; ↓No clinical significance;
ALP	↑Commonly seen in diseases of liver and bile, therioma and drug effects; ↓Commonly seen in hypothyrea and Zinc deficiency;
TBA	High total bile acid indicates hepatic cell pathological change and elevated bile acid content in the blood; common in acute and chronic viral hepatitis, bile stasis, chronic alcoholism, cirrhosis, primary liver cancer, biliary infarction, etc.
BUN	↑Commonly seen in renal lesions, excessive decomposition of protein and high protein intake; ↓Commonly seen in hepatic failure and deficiency of protein absorption;
CRE	↑Commonly seen in kidney diseases; ↓Commonly seen in malnutrition and muscular atrophy;
BUN/CRE	Higher Ratio is more common in fever, dehydration, gastrointestinal bleeding, cardiac insufficiency, hepatorenal syndrome, urinary tract obstruction, high-protein diet, etc .; lower ratio is more common in hunger, low-protein diet, combined with severe liver failure, use Diuretic drugs, etc.
AMY	↑Commonly seen in pancreatitis, renal lesions and diseases of intestinal mucosa; ↓Commonly seen in pancreatic necrosis caused by blockage of pancreatic duct;
LPS	Elevation is common in acute pancreatitis, chronic pancreatitis, pancreatic cancer, and hepatobiliary diseases and serum lipases is elevated to varying degrees as well.
GLU	↑Commonly seen in hypoinsulinism; ↓Commonly seen in malnutrition, cacoehyilia and chronic anemia;
CHOL	↑Commonly seen in cryptorrrhea and endocrine disorder; ↓Commonly seen in excessive exercise, malnutrition, progressive liver disease and hyperthyroidism;
K+	↑Commonly seen in diseases of kidney, blood circulation disorder caused by heart failure and sample hemolysis; ↓Commonly seen in severe diarrhea, emesia and malnutrition;
Na+	↑Commonly seen in dehydration, edema, salt poisoning or kidney failure, adrenal gland hyperfunction; ↓Commonly seen in progressive kidney failure and excessive fluid infusion;
Na+/K+	Reduction is more common in urinary system diseases, nephropathy, adrenal insufficiency and hemolysis.
Cl-	↑Commonly seen in dehydration, hypouresis and hyperadrenocorticisim; ↓Commonly seen in severe diarrhea and emesia;
tCO2	↑Commonly seen in metabolic alkalosis, respiratory acidosis; ↓Commonly seen in metabolic acidosis, respiratory alkalosis;
Ca	↑Commonly seen in hypercalcinemia, primary parathyroidism and multiple myeloma; ↓Commonly seen in hypocalcemia and absorption disorder of small intestine;
P	↑Commonly seen in bone healing, growth period and kidney diseases; ↓Commonly seen in unbalanced diet and hyperthyroidism;
Ca*P	Low value: hinder bone calcification, and even dissolve bone salt, which affects osteogenesis; High value: Calcium and phosphorus in form of bone salt are deposited in bone tissue, prone to calcification of soft tissues (blood vessels, skin, muscles)
AG	It is often used to evaluate acid-base disorders and is used as an auxiliary diagnosis for different types of metabolic acidosis and mixed acid-base imbalance. \n" "AG elevation: common in metabolic acidosis with retention of ketoacids, lactate, phosphate, or sulfate and decreased bicarbonate.\n" "AG reduction: can be seen in hypoalbuminemia, metabolic alkalosis, multiple myeloma, hypermagnesemia, hypercalcemia and lithium poisoning, etc.

Remark: Due to the complexity and individuality of the test results of specific cases, the interpretation of clinical significance is for reference only and cannot serve as the evidence for specific disease diagnoses.

Submit Datetime:	2025-10-14 03:43	Analysis Datetime:	2025-10-11 16:13	Print Datetime:	2025-10-11 06:38
Submitt:		Operator:		Reviewer:	
Remark:	<i>The result is only responsible for this sample</i>				