

<b>Account ID:</b> STOC 1	<b>Pet-Owner:</b> Engelbrecht Bo Krister	<b>Internal lab-number:</b> LZ222513
Djurkliniken Roslagstull	<b>Animal name:</b> Mini	<b>Barcode number:</b> 75723314
Valhallavägen 12/A	<b>Species:</b> Cat	<b>Date of receipt:</b> 05.07.2023
11422 Stockholm	<b>Gender:</b> M	<b>Material:</b> serum, EDTA blood, smear
	<b>Age:</b> 13 Y	

**LAB REPORT:** **Mini**

TEST	RESULT	REFERENCE RANGE
Lipemia	index negative	1)
Hemolysis	index negative	2)

**material: serum**

**Geriatric Profile**

T4 (total T4)	25.7	10.3 - 60.5	nmol/l		3) 4),5)
<b>Kidney:</b>					
SDMA (EIA)	10	0 - 14	µg/dl		4),6)
Creatinine	124	80 - 203	umol/l		4)
Urea (BUN)	10.0	5.7 - 13.5	mmol/l		4)
Sodium	153	147 - 159	mmol/l		4)
Chloride	118	109 - 129	mmol/l		4)
Potassium	4.3	3.3 - 5.8	mmol/l		4)
Inorganic Phosphate	1.1	0.8 - 2.2	mmol/l		4)
<b>Liver:</b>					
Bilirubin	3.4	0 - 6.8	umol/l		4)
<b>ALT (GPT)</b>	<b>118</b>	<b>27 - 110</b>	<b>U/l</b>	<b>+</b>	4)
Alkaline phosphatase	30	12 - 73	U/l		4)
GGT	<1	0 - 5	U/l		4)
AST (GOT)	40	14 - 71	U/l		4)
GLDH	7	0 - 11	U/l		4)
Total protein	85	59 - 87	g/l		4)
Albumin	36	27 - 44	g/l		4)
Globulin	49	29 - 54	g/l		
<b>Pancreas:</b>					
Glucose	5.7	3.5 - 7.8	mmol/l		4)
<b>a-Amylase</b>	<b>2313</b>	<b>333 - 1264</b>	<b>U/l</b>	<b>+</b>	4)
Lipase	7	0 - 45	U/l		4)

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TEST	RESULT	REFERENCE RANGE		
Cholesterol	4.9	2.2 - 8.5 mmol/l		4)
Cholesterol (Fasting cats with regular body weight): < 5.2 mmol/l				
Fructosamine	240	137 - 286 umol/l		4)
<b>Muscle:</b>				
CK	74	52 - 542 U/l		4)
Calcium	2.6	2.2 - 2.9 mmol/l		4)
Magnesium	0.9	0.6 - 1.1 mmol/l		4)
Triglycerides	0.9	0.2 - 4.9 mmol/l		4)
Triglycerides (Fasting cats with regular body weight): 0.2 - 1.1 mmol/l				
CRP (C-reactive protein)	NM	0 - 10.7 mg/l		4)

**material: EDTA blood**
**Haemogram**

Leukocytes	9.4	3.9 - 19 G/l		4)
Erythrocytes	9.8	7.1 - 11.5 T/l		4),7)
Based upon examination of the sample, findings do not correlate with the species marked on the submission form.				
Haemoglobin concentration	14.4	10.3 - 16.2 g/dl		4)
Packed cell volume (PCV)	49.8	28.2 - 52.7 %		4)
MCV	50.8	39 - 56 fl		
MCH	14.7	12.6 - 16.5 pg		
MCHC	28.9	28.5 - 37.8 g/dl		
<b>Thrombocytes</b>	<b>138</b>	<b>155 - 641 G/l</b>		4)
Reticulocytes (relative)	0.98	%		4)
Reticulocytes (absolute)	96040	/ul		
Degree of bone marrow response (Reticulocytes/ul):				
< 50.000 Normal if nonanemic				
< 50.000 Inadequate if anemic				
50.000-75.000 Mild regeneration				
75.000-175.000 Moderate regeneration				
> 175.000 Marked regeneration				
Reticulocyte haemoglobin	15.5	15.3 - 22.9 pg		4)

**Differential blood count**

Basophils	0	%		4)
Eosinophils	1	%		4)
Segmented neutrophils	66	%		4),8)
Lymphocytes	30	%		4)
Monocytes	3	%		4)
Basophils (absolute)	0	0 - 100 /ul		

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TEST	RESULT	REFERENCE RANGE	
Eosinophils (absolute)	94	90 - 2180 /ul	
Segmented neutrophils (abs)	6204	2620 - 15170 /ul	
Lymphocytes (absolute)	2820	850 - 5850 /ul	
Monocytes (absolute)	282	40 - 530 /ul	

**material: serum**

**Your additional order:**

Albumin/Globulin-Ratio	0.73	> 0.57	
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**Your additional order:**

**Specific Pancreatic Lipase**

Add-On-Test	1.3	ug/l		9)
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**Interpretation and comments:**

- 1)  
The level of lipaemia of the specimen has no significant impact on the analysis of the clinical-chemical parameters. (method: photometry)
- 2)  
The level of haemolysis in the specimen shows no significant impact on the analysis of clinical-chemical parameters. (method: photometry)
- 3)  
The indicated reference values refer to adult animals.
- 4)  
Location Leipzig (not accredited)
- 5)  
Cats with subnormal T4 values are almost exclusively euthyroid sick or overtreated for their hyperthyroidism. Older cats with consistent clinical signs and T4 values in the grey zone may have early hyperthyroidism or a concurrent non-thyroidal illness. Hyperthyroidism may be confirmed by repeating the test in 2-8 weeks or by adding on a free T4 (Equilibrium Dialysis). Following treatment with methimazole, T4 values will generally fall within the lower end of the reference range.
- 6)  
**Both SDMA and creatinine are not increased** which indicates kidney function is likely good. Evaluate a complete urinalysis and confirm there is no other evidence of kidney disease.
- 7)  
WBC and RBC morphology are compatible with the feline species.
- 8)  
The differential leukocyte count was performed microscopically.

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9)

$\leq 3.5$  ug/L Serum Spec fPL concentration is in the normal range. It is unlikely that the cat has pancreatitis. Investigate for other diseases that could cause observed clinical signs.

$3.6 - 5.3$  ug/L Serum Spec fPL concentration is increased. The cat may have pancreatitis and Spec fPL should be reevaluated in two weeks if clinical signs persist. Investigate for other diseases that could cause observed clinical signs.

$\geq 5.4$  ug/L Serum Spec fPL concentration is consistent with pancreatitis.

The cat most likely has pancreatitis. Consider investigating for risk factors and concurrent diseases (e.g., IBD, hepatitis, diabetes mellitus). Periodic monitoring of Spec fPL may help assess response to therapy.

**Validated by:**

Johanna Satrapa (biologist) on behalf of Nora Berghoff (veterinarian)

Our printed reports are valid without signature.