

Patient: **SERBAN Perlutz**

Access Number: 19061435431

ID: 100992

ASG: Unknown | Cat (Feline -
Domestic) (Domestic Short
Hair) | MaleNeutered

Report Date: 17/06/2019

Request Date: 14/06/2019

Magda Gerou-Ferriani
The Ralph Veterinary Referral
Centre (RARC)

Fourth Avenue Globe Business Park

MARLOW

BUCKINGHAMSHIRE

SL7 1YG

Test Results

Name	Result	Units	Interval
(B12V) B12	> 738	pmol/l	220 - 500
Fructosamine	524	umol/l	

Fructosamine is a reflection of glycaemic control over the preceding 1-3 weeks. If changes in glycaemic control have occurred over a shorter time than this, fructosamine may not accurately reflect glycaemic control. Fructosamine may be altered in conditions affecting protein turnover e.g. hyperthyroidism, hypoalbuminaemia. It may also be artefactually low in lipaemic or haemolysed samples.

REFERENCE VALUES DOGS

Not under treatment for diabetes mellitus: **225-365 umol/l**

In animals under treatment for diabetes mellitus:

- **Less than 300 umol/l** either excellent or overtight control, recommend checking clinical signs and a glucose curve to differentiate
- **350-400 umol/l** excellent control
- **400-450 umol/l** good control
- **450-500 umol/l** fair control
- **Greater than 500 umol/l** poor control

REFERENCE VALUES CATS

Not under treatment for diabetes mellitus: **220-360 umol/l**

In animals under treatment for diabetes mellitus:

- **Less than 350 umol/l** excellent glycaemic control or risk of hypoglycaemia or may be in diabetic remission
- **350-450 umol/l** good control
- **450-550 umol/l** fair control
- **Greater than 550 umol/l** poor control

(STDSF) Feline Standard Screen

(VCBC) Full Blood Count

WBC	5.8	x10 ⁹ /L	4.0 - 15.0
RBC	7.12	x10 ¹² /L	5.50 - 10.00
Haemoglobin	11.7	g/dl	8.0 - 15.0
PCV	38.2	%	27.0 - 50.0
MCV	53.7	fl	37.1 - 54.7

MCH	16.4	pg	11.5 - 16.7
MCHC	30.6	g/dl	28.3 - 34.3
Platelets	H 625	x10 ⁹ /L	200 - 600

Differential	%	Abs	Interval
Neutrophils	70 %	4.1 x10 ⁹ /L	2.5 - 12.5
Lymphocytes	L 22 %	1.3 x10 ⁹ /L	1.5 - 7.0
Monocytes	5 %	0.3 x10 ⁹ /L	0.0 - 0.8
Eosinophils	4 %	0.2 x10 ⁹ /L	0.0 - 1.5
Basophils	0 %	0.0 x10 ⁹ /L	

(FILM) Film:

Film:

Film confirms platelet count

Milena Firmanty-Tancock MRCVS

Total Protein	75.6	g/l	56.0 - 81.0
Albumin	37.9	g/l	26.0 - 42.0
Total Globulin	37.7	g/l	15.0 - 57.0
Sodium	151	mmol/l	140 - 157
Potassium	4.13	mmol/l	3.40 - 5.60
Sodium : Potassium	36.56		26.00 - 40.00
Chloride	113	mmol/l	111 - 129
Calcium	2.53	mmol/l	1.60 - 3.00
Phosphate	1.40	mmol/l	0.70 - 2.10
Urea	H 15.0	mmol/l	6.1 - 12.5
Creatinine	H 194	umol/l	45 - 170
Total Bilirubin	2.5	umol/l	0.0 - 10.0
ALP	H 68	U/l@37C	11 - 67
ALT	54	U/l@37C	18 - 77
Gamma GT	< 5	U/l@37C	0.1 - 9.0
GLDH	3.1	u/l@37C	0.0 - 10.0
Bile Acids	1.7	umol/l	0.0 - 15.0
CK	148	U/l@37C	0 - 360
Cholesterol	5.5	mmol/l	0.9 - 6.5
Triglycerides	0.87	mmol/l	0.20 - 1.30
Glucose	H 23.3	mmol/l	3.8 - 7.6

Please note: If a serum rather than oxf sample has been submitted for glucose measurement, occasionally, serum left in contact with red cells may artefactually lower the glucose value.

DGGR Lipase	25	U/l@37	0 - 25
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Pathcall

Discuss this case, and any results directly with a member of our Veterinary Consultant Team on 01626 355655. A fixed charge of £8.50 will be added to the bill on completion of the consultation.

(TT4A) Total T4 Add On

Total T4	33.1	nmol/l	7.5 - 55.0
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(UANA2) Add on Urine analysis

(URINE) Urine analysis

(ZUPC) Urine Protein:Creatinine

Urine Protein	735.2	mg/l	
Urine Creatinine	18.00	mmol/l	
Urine Protein:Creatinine	0.36		0.00 - 0.40

(ZVU1) Urine Dipstick and SG

Urine Appearance	Yellow, Clear
pH	5.0
Specific Gravity	1.050
Protein	+
Urine Glucose	+++
Ketones	Negative
Bilirubin	Negative
Haemoglobin	Trace

(ZUMIC) Urine Microscopy

(AUMIC) Urinalysis (iQ200)

Please note we have upgraded our method of performing urine analysis. Enumeration is now provided as a count per microliter of urine. This roughly corresponds as follows to the previous method of reporting: +/- = <10 cells/ul, + = 10-50 cells/ul, ++ = 50-100 cells/ul, +++ = >100 cells/ul.

WBC	13	per µl
RBC	44	per µl
Squamous Epithelia	Not Seen	
Bacteria	Not Seen	
Crystals	Not Seen	
Casts	Not Seen	

(ZVGCU) Urine Culture & Sensitivity

Urine Culture	No growth
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(FTLI2) Feline TLI Add On ^R	20.1	ug/l	12.0 - 82.0
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(SDMAADD) SDMA add on

SDMA ^R	H 16.0	ug/dL	1.0 - 14.0
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Comment

B12 level is above the detectable limit of our assay (>738). If you require the actual higher value (e.g. for monitoring therapy), we can perform a dilution and calculation. Please contact the lab to request this. Samples are held for 6 days from receipt.

Dr Gillian Gibson VMD, DipACVIM, MRCVS

13:28:07 14/06/2019

Further report:

SDMA is a more reliable indicator of kidney function than creatinine as SDMA detects declining kidney function earlier and is not impacted by muscle mass. Creatinine can miss early function loss and be falsely decreased in patients with poor muscle mass.

SDMA increases in acute and active kidney injury as well as chronic kidney disease. A complete urinalysis should be performed in all patients with suspected kidney disease.

Susie Kenefick MA, VetMB, DipECVIM-CA, MRCVS

09:23:32 17/06/2019

Further report: No urinary tract pathogens isolated.

Susie Kenefick MA, VetMB, DipECVIM-CA, MRCVS

10:28:04 17/06/2019

Further report - fTLI:12-82 ug/L: Normal range, the cat is unlikely to have exocrine pancreatic insufficiency.

Susie Kenefick MA, VetMB, DipECVIM-CA, MRCVS

12:07:29 17/06/2019

Laboratory List Price £178.90

^R Referral Test.

END OF REPORT