

NationWide Laboratories

Poulton

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NationWide
LABORATORIES

Laboratory Report

Alison Jones
vetPartners Valley Vets Ltd
The Old Post Office
Bronllwyn Road
Pentyrch
Cardiff
Wales
CF15 9QL

Animal Tarsi
Owner James
Species Canine
Breed Dachshund
Gender F
Age 7 Y M
Sample Plain Urine, EDTA, Gel Timed, C

Lab No 200558770
Client Ref Tarsi
Sampled 10/09/2020
Received 11/09/2020
Authorised 11/09/2020
Report # 200558770-01

Haematology

Red Blood Cells	* 8.77		10 ¹² /l	5.4-8.5
Haemoglobin	176		g/l	120 - 180
Haematocrit/PCV	* 0.596		l/l	0.37-0.56
MCV	67.9		fl	65-75
MCHC	* 296		g/l	310- 350
WBC and Differential				
White Blood Cells	16.2		10 ⁹ /l	5-18
Neutrophils	11.34	70%	10 ⁹ /l	3.7-13.32
Lymphocytes	3.40	21%	10 ⁹ /l	1.00-3.60
Monocytes	* 1.13	7%	10 ⁹ /l	0.20-0.72
Eosinophils	0.16	1%	10 ⁹ /l	0.10-1.25
Basophils	0.16	1%	10 ⁹ /l	0.0-0.18
Neutrophil:Lymphocyte ratio	3.33		:1	
Platelet Count	327		10 ⁹ /l	200-500

Platelets appear adequate on smear. Clumping of platelets was present and the platelet count (automated or estimated from blood smear examination) represents a minimum value.

Normochromic, normocytic RBCs. No WBC morphological changes

Biochemistry

Alkaline Phosphatase	103		iu/l	7-173 (Adult)
ALT	* 907		iu/l	0-40
Bilirubin (Total)	3.6		umol/l	0-5.0
Total Protein	68		g/l	55-75
Albumin	* 19		g/l	25-39
Globulin	* 49		g/l	27-44
Albumin:Globulin Ratio	* 0.39		:1	0.50-1.2
Urea	* 1.9		mmol/l	3.5-7.0
Creatinine	32		umol/l	0-130
Total Calcium	2.65		mmol/l	2.2-3.0
Phosphorus	* 0.87		mmol/l	0.9-1.6
Glucose	Clotted			
Bile Acid	* 105.7		umol/l	0-25 (Fasting)
Bile Acid - Post Feeding	* 318.7		umol/l	0-40

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Interpretation

Markedly elevated bile acids provide evidence of hepatic dysfunction/impaired enterohepatic circulation (porto-systemic shunt is considered highly likely).

Marked elevation in ALT indicates hepatocellular damage.

Mild to moderate hypoalbuminemia may be due to hepatic dysfunction in this case or may indicate a negative acute phase response.

Mild hyperglobulinemia likely reflects an acute phase response.

Low urea may be due to hepatic dysfunction or polyuria.

Further results to follow.

Mild monocytosis may indicate a stress and/or inflammatory response.

Summarised By Alina Bodnariu DVM MSc PhD FRCPath MRCVS
Clinical Pathologist

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Clinical Pathologist

Incomplete Tests None

Test Codes +BAP,SPH,UCS

The results in this report relate only to the samples described as above and, unless otherwise stated, all results are expressed on an as received basis.

Nationwide Laboratory Services (Poulton) - a division of National Veterinary Services Limited