



9256



Surname : **Highcock**
Forename : **Dan**
Date of birth : 05/12/1981 (40y)
Sample Number: YRV-2208348
Sex : Male
Lab No : 1004780
Sample Dated : 21/08/2022 11:30 AM
Sample Received : 23/08/2022 10:22 AM
Result Reported : 24/08/2022 12:43 AM
Sample Type: V- Serum, EDTA,

Test	Patient Result	Normal Range	Units	Comment
Full Blood Count				
Haemoglobin	165	130 - 170	g/L	
Red Blood Cells	5.49	4.40 - 5.80	x10 ¹² /L	
Haematocrit	H 0.502	0.380 - 0.500	L/L	
Mean Cell Volume	91.6	81 - 98	fl	
Red Cell Distribution	H 14.8	11.5 - 14.4	%	
Mean Cell Haemoglobin	30.1	27.0 - 33.0	pg	
MCHC	328	300 - 350	g/L	
Platelets	278	150 - 400	x10 ⁹ /L	
MPV	9.80	7 - 13	fl	
White Blood Cells	5.0	3.0 - 10.0	x10 ⁹ /L	
Neutrophils	2.35	2.0 - 7.5	x10 ⁹ /L	
Lymphocytes	1.95	1.2 - 3.65	x10 ⁹ /L	
Monocytes	0.49	0.2 - 1.0	x10 ⁹ /L	
Eosinophils	0.11	0 - 0.4	x10 ⁹ /L	
Basophils	0.05	0 - 0.1	x10 ⁹ /L	
Biochemistry				
Albumin	43.4	35 - 50	g/L	
Total Protein	76.2	60 - 80	g/L	
Globulin	32.8	19 - 35	g/L	
HbA1c-(IFCC)**	32	20 - <42 Non-diabetic 42 - <48 Prediabetes >= 48 Diabetes 48 - 59 Good control	mmol/mol	
CRP	0.71	<5.0	mg/L	
Iron	25.1	5.8 - 34.5	umol/L	
Ferritin	65.9	30 - 400	ug/L	
CK	H 1362	39 - 308	U/L	New units
Kidney Function				
Sodium	141	133 - 146	mmol/L	
Urea	4.5	2.5 - 7.8	mmol/L	
Creatinine	H 112	59 - 104	umol/L	New range
eGFR(Caucasian Only)	66	>60 unless evidence of CKD	ml/min/1.73m ²	
Liver Function				
ALT	H 53	<50	U/L	New units
GGT	19	8 - 61	U/L	
Total Bilirubin	11.7	<24	umol/L	



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Test	Patient Result	Normal Range	Units	Comment
ALP	44	30 - 130	IU/L	New Range
Bone Screen				
Uric Acid	259	200 - 430	umol/L	New range
Lipids				
Cholesterol	4.19	0 - 5.0	mmol/L	
HDL	L 0.44	>1.1	mmol/L	New range
Triglycerides	1.02	<1.7(Fasting)	mmol/L	
LDL	H 3.29	<3.0	mmol/L	
Chol:HDL ratio	H 9.52	<4.0	ratio	
Non HDL Cholesterol	3.75	<4	mmol/L	
Hormones				
FSH	L <0.3	1.5 - 12.4	IU/L	
LH	L <0.3	1.7 - 8.6	IU/L	
Cortisol (Random)	194.0	6am - 10am 166 - 507 4pm - 8pm 73.8 - 291	nmol/L	New range
Oestradiol	H 192	41 - 159	pmol/L	
Free-Testosterone(Calculated)	H 3.878	0.2 - 0.62	nmol/L	
SHBG	L 6	18.3 - 54.1	nmol/L	New range
Prolactin	290	86 - 324	mU/L	
DHEA-Sulphate	7.10	2.41 - 11.6	umol/L	
Progesterone	<0.159	<0.474	nmol/L	New range
Testosterone	H 96.90	8.64 - 29	nmol/L	New range
Thyroid Function				
TSH	0.60	0.27 - 4.20	mU/L	New range & unit
Free T4	L 9.9	12.0 - 22.0	pmol/L	
Free T3	4.84	3.1 - 6.8	pmol/L	New range
Markers				
PSA (Prostate)	1.170	0 - 4	ng/mL	New range & unit
Immunology				
Anti-Thyroidperoxidase abs	18	<34	IU/mL	New units
Anti-Thyroglobulin Abs	24	<115	IU/mL	New units
Vitamins				
Vitamin D (25 OH)	198	Optimal 75-200 Adequate 50-<75	nmol/L	



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Test	Patient Result	Normal Range	Units	Comment
B12-Active Serum Folate	H >150 32.70	Insufficient 25 -<50 Deficient <25 37.5 - 150 8.83 - 60.8	pmol/L nmol/L	New range